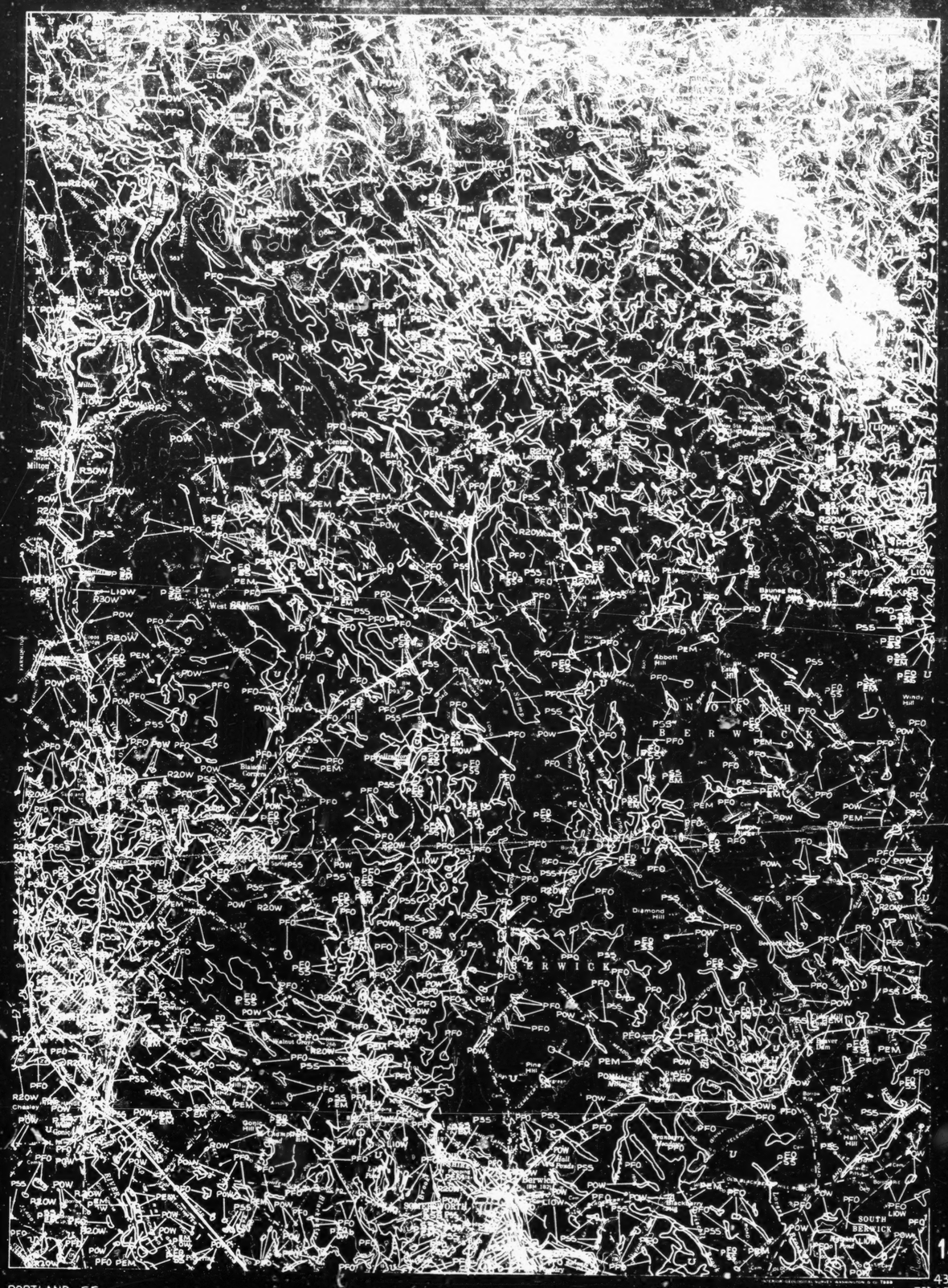
NO 1:100,000

COMPOSITE

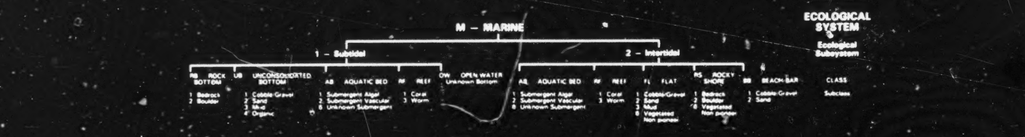
GRID

No 2
Bottom Hole Spot
Top


Milton
West Milton
Brunos Bog
Abbott Hill
Windy Hill
Diamond Hill
Pine Hill
Hall Pond
SOUTH BERWICK
SOUTH BERWICK
Blaisdell Corners
Chesley
Gore Hill
Salmon Falls
Hall Hill
Blackberry Pond
Bell
Bunker Hill
Bunker Hill
Bunker Hill

WETLAND LEGEND

U – Primarily represents upland areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions.



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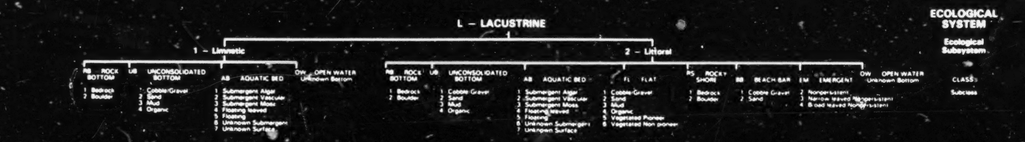

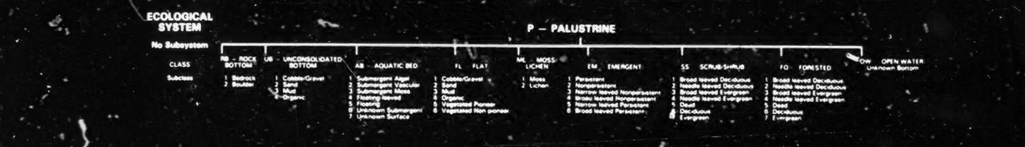

MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME(1)										WATER CHEMISTRY										SOIL	SPECIAL MODIFIERS	
Non-Tidal								Tidal		Coastal Salinity		Inland Salinity		pH Modifiers for all Fresh Water								
A	Temporary		H	Permanent				E	Artificial		1	Hypersaline		3	Hypersaline		4	Acid			b	Beaver		h	Diked/Impounded
B	Saturated		J	Intermittently Flooded				K	Subtidal		2	Eusaline		4	Eusaline		5	Circumneutral			d	Partially Drained/Ditched		o	Artificial
C	Seasonal		K	Artificial				L	Irregularly Exposed		3	Polyhaline (Brackish)		6	Mixosaline		6	Alkaline			f	Farmed		s	Spoil
E	Seasonal Well-drained		U	Intermittently Exposed/Permanent				M	Regular		4	Mesohaline		7	Fresh								x	Excavated
F	Seasonal Saturated		W	Intermittently Flooded/Temporary				N	Irregular		5	Oligohaline											
G	Intermittently Exposed		Z	Saturated/Semipermanent/Seasonal				P			6	Mixohaline											
								U	Unknown		7	Fresh											

(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source.

SPECIAL NOTE

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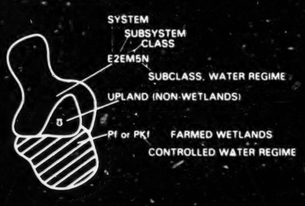
SYMBOLOGY EXAMPLE



NOTES TO THE USER

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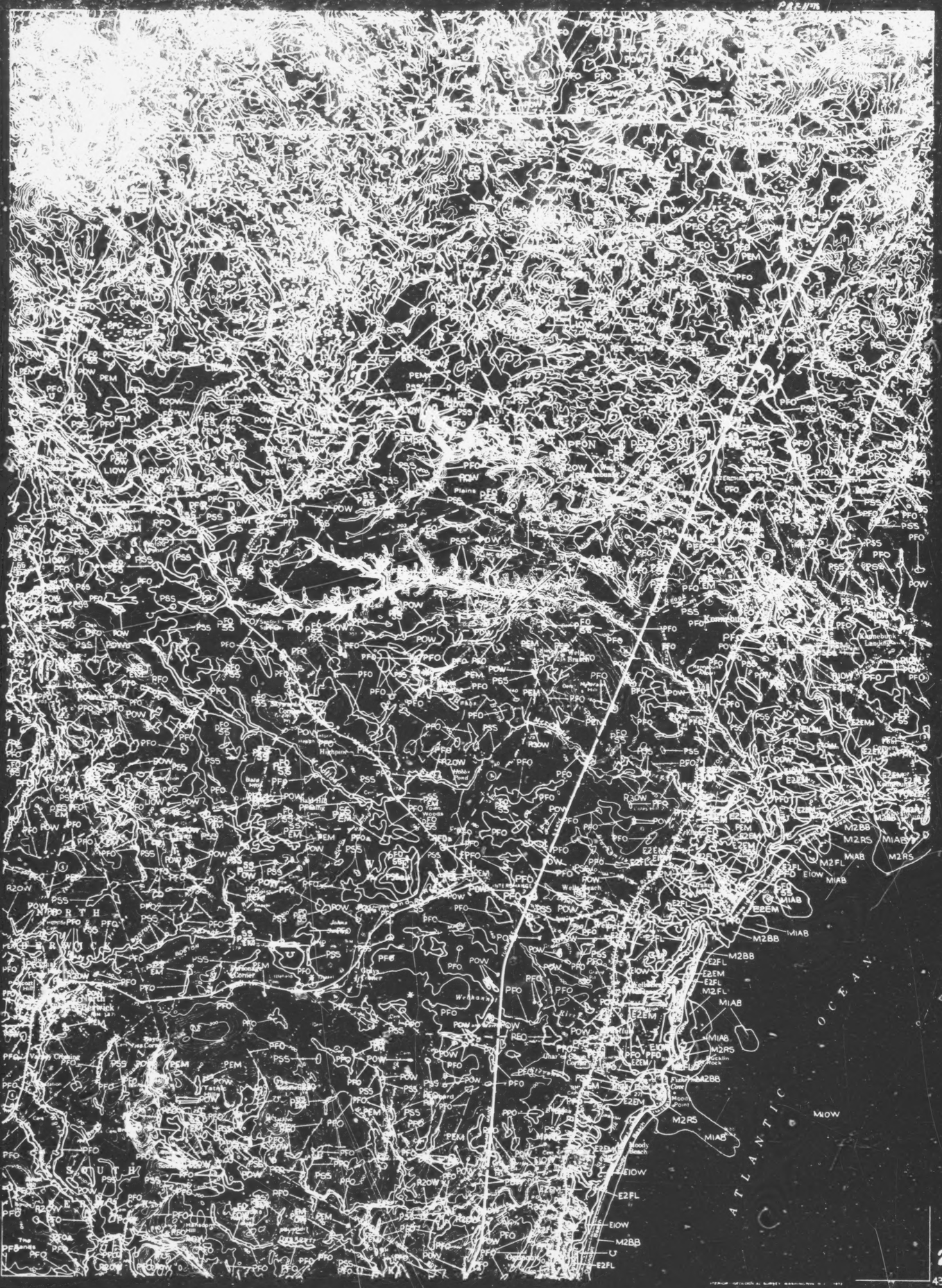
NATIONAL WETLANDS INVENTORY
UNITED STATES DEPARTMENT OF THE INTERIOR



PORTLAND SE
KITTERY

2
43°15
70°30'

4/75

KENNEBUNK, ME.

SCALE 1:62500

WETLAND LEGEND

U – Primarily represents upland areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions.

M – MARINE

ECOLOGICAL SYSTEM → Ecological Subsystem → CLASS → Subclass

1 – Subtidal

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	RF – REEF	OW – OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 6 Unknown Submergent	1 Coral 3 Worm	

2 – Intertidal

AB – AQUATIC BED	RF – REEF	FL – FLAT	RS – ROCKY SHORE	BB – BEACH/BAR
1 Submergent Algal 2 Submergent Vascular 6 Unknown Submergent	1 Coral 3 Worm	1 Cobble/Gravel 2 Sand 3 Mud 6 Vegetated Non pioneer	1 Bedrock 2 Boulder 6 Vegetated Non pioneer	1 Cobble/Gravel 2 Sand

E – ESTUARINE

ECOLOGICAL SYSTEM → Ecological Subsystem → CLASS → Subclass

1 – Subtidal

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	RF – REEF	OW – OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 4 Floating leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	2 Mollusc 3 Worm	

2 – Intertidal

AB – AQUATIC BED	RF – REEF	FL – FLAT	SB – STREAMBED	RS – ROCKY SHORE	BB – BEACH/BAR	EM – EMERGENT	SS – SCRUB-SHRUB	FO – FORESTED
1 Submergent Algal 2 Submergent Vascular 6 Unknown Submergent 7 Unknown Surface	2 Mollusc 3 Worm	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 6 Vegetated Non pioneer	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Boulder 6 Vegetated Non pioneer	1 Cobble/Gravel 2 Sand	Persistent 2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent 5 Narrow leaved Persistent 6 Broad leaved Persistent	1 Broad leaved Deciduous 2 Broad leaved Evergreen 3 Needle leaved Evergreen 4 Dead 5 Deciduous 7 Evergreen	1 Broad leaved Deciduous 2 Broad leaved Evergreen 3 Needle leaved Evergreen 4 Dead 5 Deciduous 7 Evergreen

R – RIVERINE

ECOLOGICAL SYSTEM → Ecological Subsystem → CLASS → Subclass

1 – Tidal

EM – EMERGENT(1)	RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED
2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent	1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface

2 – Lower Perennial

AB – AQUATIC BED	FL – FLAT	SB – STREAMBED	RS – ROCKY SHORE	BB – BEACH/BAR
1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 6 Vegetated Non pioneer	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand

3 – Upper Perennial

AB – AQUATIC BED	FL – FLAT	SB – STREAMBED	RS – ROCKY SHORE	BB – BEACH/BAR
1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 6 Vegetated Non pioneer	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand

4 – Intermittent

SB – STREAMBED	RS – ROCKY SHORE	BB – BEACH/BAR
1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand

5 – Unknown Perennial

OW – OPEN WATER Unknown Bottom

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L – LACUSTRINE

ECOLOGICAL SYSTEM → Ecological Subsystem → CLASS → Subclass

1 – Limnetic

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	OW – OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	

2 – Littoral

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	FL – FLAT	RS – ROCKY SHORE	BB – BEACH/BAR	EM – EMERGENT	OW – OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 6 Vegetated Non pioneer	1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand	2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent	

P – PALUSTRINE

ECOLOGICAL SYSTEM → No Subsystem → CLASS → Subclass

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	FL – FLAT	ML – MOSS-LICHEN	EM – EMERGENT	SS – SCRUB-SHRUB	FO – FORESTED	OW – OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 6 Vegetated Non pioneer	1 Moss 2 Lichen	1 Persistent 2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent 5 Narrow leaved Persistent 6 Broad leaved Persistent	1 Broad leaved Deciduous 2 Needle leaved Deciduous 3 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad leaved Deciduous 2 Needle leaved Deciduous 3 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	

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WATER REGIME(1)

Non-Tidal		Tidal	
A Temporary	H Permanent	K Artificial	R Seasonal Tidal
B Saturated	J Intermittently Flooded	L Subtidal	S Temporary Tidal
C Seasonal	Artificial	M Irregularly Exposed	T Semipermanent Tidal
D Seasonal Well-drained	L Artificial	N Regular	U Permanent Tidal
E Seasonal Saturated	M Intermittently Exposed/Permanent	P Irregular	V Unknown
F Semipermanent	R Intermittently Flooded/Temporary		
G Intermittently Exposed	T Saturated/Semipermanent/Seasonal		
	U Unknown		

WATER CHEMISTRY

Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water
1 Hyperhaline	7 Hypersaline	a Acid
2 Euhaline	8 Eusaline	c Circumneutral
3 Mixohaline (Brackish)	9 Mixosaline	i Alkaline
4 Polyhaline	0 Fresh	
5 Mesohaline		
6 Oligohaline		
0 Fresh		

SOIL

5 Organic
6 Mineral

SPECIAL MODIFIERS

b Beaver	h Diked/Impounded
d Partially Drained/Ditched	f Artificial
f Farmed	s Spoil
	x Excavated

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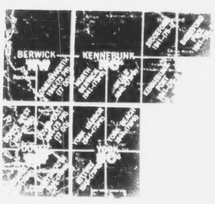
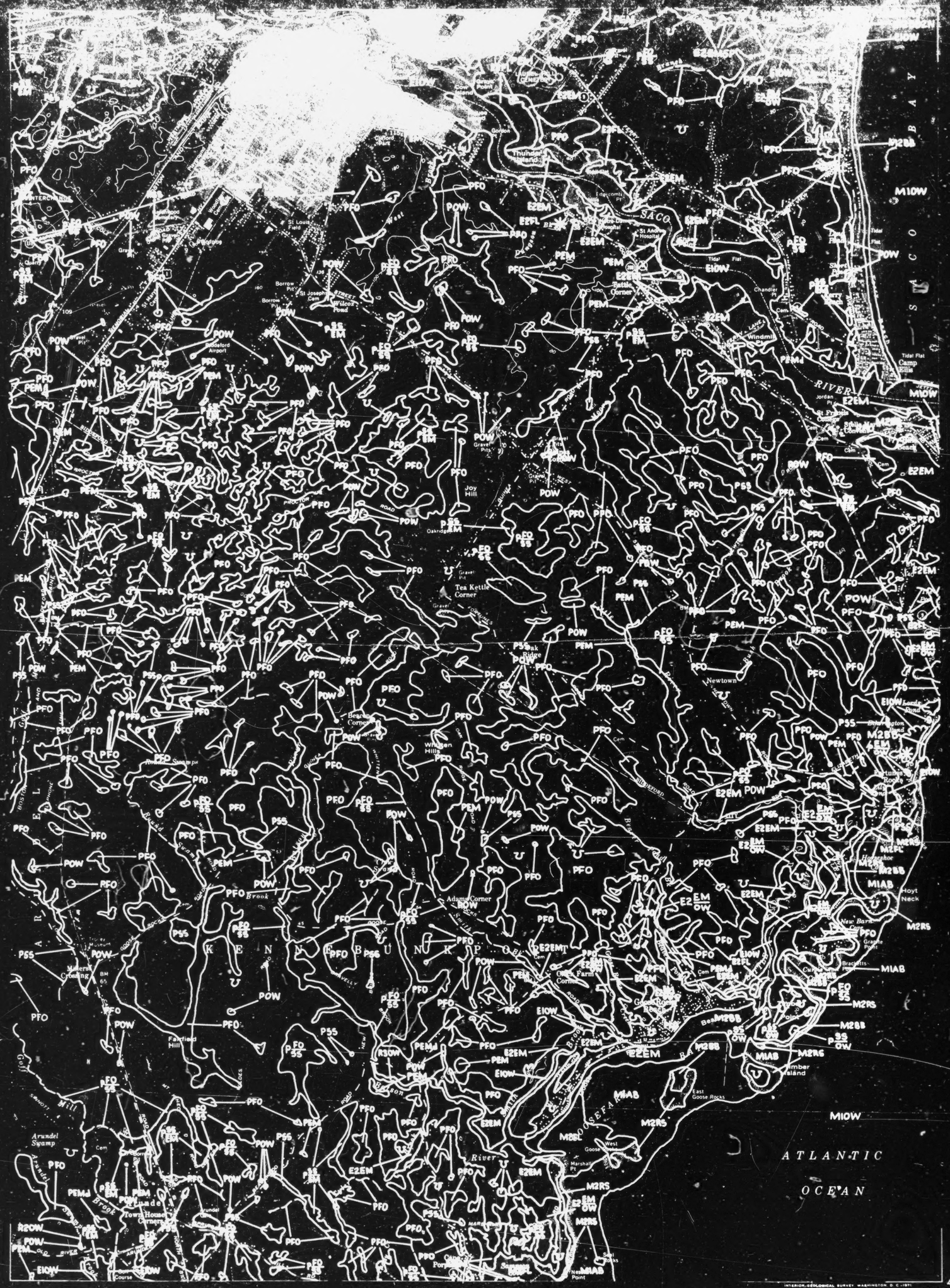
MICROFICHE INDEX
PORTLAND (OR)
KITTERY



NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR


SACO BAY
ATLANTIC OCEAN
KENNEBUNK
ARUNDEL
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POW
PEM
PSS
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PFO4
PFO5
PSS1
PSS4
PEMA
PEMC
PEMF
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Kennebunkport
Wells
Goose Rocks
Cape Porpoise
Fortunes Rocks
Biddeford Pool
Hills Beach
Timber Island
Marshall Pt
Goose Rocks
Joy Hill
Tea Kettle Corner
Adams Corner
Beaches Corner
Oak Ridge
Fairfield Hill
Arundel Swamp
Town House Corner
Whitten Hills
Bradbury Mtn
Saco River
Kennebunk River
Mousam River
Goff Mill Brook
Batson River
Indian Rock
Tidal Flat
Camp Ellis
Hoyt Neck
Granite Point
Bradbury Pt
Jordan Pt
Windmill Pt
Chandler Pt
Marshall Pt
Seal Rocks
Nevins Point
Timber Island
Newtown
Oak Ridge
Gravel Pit
Cem
Golf Course
Airport
Hospital
Church
Sch
Tank
Tower
Dam
Pond
Creek
Brook
River
Road
Bridge
Ledge
Rocks
Point
Island
Beach
Marsh
Swamp
Woods
Trees
Shrubs
Grass
Water
Tidal
Flat
Open
Farm
Corner
Hill
Mill
Pit
Gravel
Sand
Clay
Rock
Stone
Concrete
Asphalt
Metal
Wood
Glass
Paper
Plastic
Rubber
Fabric
Leather
Food
Drink
Tobacco
Drugs
Chemicals
Explosives
Fuel
Oil
Gas
Coal
Peat
Wood
Charcoal
Ash
Slag
Waste
Debris
Scrap
Junk
Trash
Garbage
Sewage
Manure
Compost
Fertilizer
Pesticide
Herbicide
Fungicide
Insecticide
Rodenticide
Molluscicide
Nematicide
Acaricide
Algicide
Bactericide
Virucide
Protozoicide
Parasiticide
Antibiotic
Vaccine
Serum
Toxin
Venom
Allergen
Antigen
Antibody
Hormone
Enzyme
Vitamin
Mineral
Salt
Acid
Base
Alkali
Buffer
Solvent
Detergent
Soap
Wax
Resin
Gum
Latex
Rubber
Plastic
Fiber
Textile
Leather
Paper
Pulp
Lumber
Timber
Plywood
Particleboard
Hardboard
Fiberboard
Insulation
Roofing
Siding
Flooring
Paneling
Molding
Trim
Door
Window
Screen
Glass
Mirror
Lens
Prism
Filter
Polarizer
Diffuser
Reflector
Refractor
Absorber
Emitter
Detector
Sensor
Transducer
Amplifier
Oscillator
Modulator
Demodulator
Encoder
Decoder
Transmitter
Receiver
Transceiver
Antenna
Waveguide
Cable
Wire
Connector
Switch
Relay
Transformer
Capacitor
Resistor
Inductor
Diode
Transistor
Thyristor
Integrated Circuit
Microprocessor
Memory
Storage
Display
Keyboard
Mouse
Printer
Plotter
Scanner
Camera
Film
Tape
Disk
Drive
Controller
Interface
Bus
Port
Socket
Plug
Adapter
Converter
Inverter
Rectifier
Regulator
Stabilizer
Filter
Shield
Ground
Power
Battery
Generator
Motor
Engine
Turbine
Pump
Valve
Pipe
Tube
Hose
Fitting
Gasket
Seal
Bearing
Shaft
Gear
Belt
Chain
Sprocket
Pulley
Wheel
Axle
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Cab
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Trunk
Door
Window
Windshield
Mirror
Light
Lamp
Bulb
Fixture
Switch
Wiring
Harness
Connector
Fuse
Circuit Breaker
Relay
Solenoid
Actuator
Sensor
Gauge
Meter
Indicator
Display
Control
Lever
Pedal
Knob
Button
Dial
Handle
Grip
Seat
Belt
Restraint
Airbag
Steering
Suspension
Brake
Tire
Rim
Hub
Spoke
Axle
Differential
Transmission
Clutch
Flywheel
Crankshaft
Camshaft
Piston
Cylinder
Valve
Spring
Gasket
Head
Block
Manifold
Carburetor
Injector
Ignition
Spark Plug
Coil
Distributor
Alternator
Starter
Battery
Radiator
Fan
Thermostat
Hose
Belt
Pump
Reservoir
Filter
Oil
Coolant
Fuel
Exhaust
Muffler
Catalytic Converter
Tailpipe
Bumper
Fender

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ECOLOGICAL SYSTEM
Ecological Subsystem
CLASS
Subclass

1 – Subtidal

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	RF – REEF	OW – OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 8 Unknown Submergent	3 Coral 3 Worm	

2 – Intertidal

AB – AQUATIC BED	RF – REEF	FL – FLAT	RS – ROCKY SHORE	BB – BEACH BAR
1 Submergent Algal 2 Submergent Vascular 8 Unknown Submergent	1 Coral 3 Worm	1 Cobble-Gravel 2 Sand 3 Mud 8 Vegetated Non pioneer	1 Bedrock 2 Boulder 8 Vegetated Non pioneer	1 Cobble-Gravel 2 Sand

E – ESTUARINE

ECOLOGICAL SYSTEM
Ecological Subsystem
CLASS
Subclass

1 – Subtidal

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	RF – REEF	OW – OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Floating-leaved 4 Floating 5 Unknown Submergent 7 Unknown Surface	2 Mollusc 3 Worm	

2 – Intertidal

AB – AQUATIC BED	RF – REEF	FL – FLAT	SB – STREAMBED	RS – ROCKY SHORE	BB – BEACH/BAR
1 Submergent Algal 2 Submergent Vascular 5 Unknown Submergent 7 Unknown Surface	1 Mollusc 3 Worm	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 6 Vegetated Non pioneer	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Boulder 6 Vegetated Non pioneer	1 Cobble-Gravel 2 Sand

EM – EMERGENT	SS – SCRUB/SHRUB	FO – FORESTED
1 Persistent 2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent 5 Narrow leaved Persistent 6 Broad leaved Persistent	1 Broad leaved Deciduous 2 Needle leaved Deciduous 3 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad leaved Deciduous 2 Needle leaved Deciduous 3 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen

R – RIVERINE

ECOLOGICAL SYSTEM
Ecological Subsystem
CLASS
Subclass

1 – Tidal

EM – EMERGENT(1)
2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent

2 – Lower Perennial

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED
1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Floating-leaved 4 Floating 5 Unknown Submergent 7 Unknown Surface

3 – Upper Perennial

AB – AQUATIC BED	FL – FLAT
1 Submergent Algal 2 Submergent Vascular 3 Floating-leaved Moss 4 Floating-leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 6 Vegetated Non pioneer

4 – Intermittent

SB – STREAMBED	RS – ROCKY SHORE
1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Boulders

5 – Unknown Perennial

BB – BEACH/BAR
1 Cobble-Gravel 2 Sand

(1) EM – EMERGENTS are only found in the Riverine Tidal and Riverine Lower Perennial Ecological Subsystem. All other classes are found in all Riverine Ecological Subsystems.

L – LACUSTRINE

ECOLOGICAL SYSTEM
Ecological Subsystem
CLASS
Subclass

1 – Limnetic

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	OW – OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Floating-leaved 4 Floating 5 Unknown Submergent 7 Unknown Surface	

2 – Littoral

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	FL – FLAT	RS – ROCKY SHORE	BB – BEACH BAR	EM – EMERGENT	OW – OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Floating-leaved 4 Floating 5 Unknown Submergent 7 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 6 Vegetated Non pioneer	1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand	2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent	

P – PALUSTRINE

ECOLOGICAL SYSTEM
No Subsystem
CLASS
Subclass

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	FL – FLAT	NL – MOSS-LICHEN	EM – EMERGENT
1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating-leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 6 Vegetated Non pioneer	1 Moss 2 Lichen	1 Persistent 2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent 5 Narrow leaved Persistent 6 Broad leaved Persistent

SS – SCRUB/SHRUB	FO – FORESTED	OW – OPEN WATER Unknown Bottom
1 Broad leaved Deciduous 2 Needle leaved Deciduous 3 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad leaved Deciduous 2 Needle leaved Deciduous 3 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	

MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME(1)

Non-Tidal	Tidal
A Temporary B Saturated C Seasonal D Seasonal Well-drained E Seasonal Saturated F Artificially Maintained G Intermittently Exposed	H Permanent J Intermittently Flooded K Artificial L Intermittently Exposed/Permanent M Intermittently Flooded/Temporary N Saturated/Temporary/Seasonal U Unknown
	R Seasonal Tidal S Temporary Tidal T Semipermanent Tidal V Permanent Tidal U Unknown
	E Artificial J Subtidal M Irregularly Exposed N Regular P Irregular

WATER CHEMISTRY

Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water
1 Hyperhaline 2 Euhaline 3 Mixohaline (Brackish) 4 Polyhaline 5 Mesohaline 6 Oligohaline 0 Fresh	7 Hypersaline 8 Eusaline 9 Mixosaline 0 Fresh	a Acid i Circumneutral k Alkaline

SOIL

b Organic c Mineral

SPECIAL MODIFIERS

h Beaver g Partially Drained/Ditched f Farmed	b Diked/Impounded d Artificial r Spoil x Excavated

(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source.

SPECIAL NOTE

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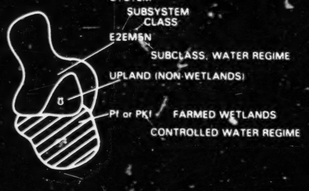
SYMBOLOGY EXAMPLE



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MICROFICHE INDEX
PORTLAND (ME)
NH/VT

SACO BAY
M2R5
M1AB
Ram Island
Ram Island Ledge
E1OW
JETTY
ROCK
Sharps Rock
CITY OF SACO
CITY OF BIDDEFORD
Negro Island Ledge
Stage Island
Wood Island
Wood Island Harbor
M2FL
M2S8
Hills Beach
Halfmile Rock
CABLE AREA
Phillip Rock
Island
Golf Club
Point
Washman Rock
Town Thicket
E2FL
E2EM
PFO
PDW
P3S
Whaleback
Whale Rock Ledge
Libbyshears
Fortunes Rocks
M1OW
ATLANTIC OCEAN
PORTLAND SE
KITTERY
SCALE 1:24000
7000 FEET
KILOMETER
INTERIOR-GEOLOGICAL SURVEY, WASHINGTON, D.C.—1971
4/75
43°22'30"
70° 15'
BIDDEFORD POOL, ME.

WETLAND LEGEND

U – Primarily represents upland areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions.

M – MARINE

ECOLOGICAL SYSTEM: Ecological Subsystem | CLASS: Subclass

1 – Subtidal

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	RF – REEF	OW – OPEN WATER/ Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Floating 6 Unknown Submergent	3 Coral 3 Worm	

2 – Intertidal

AB – AQUATIC BED	RF – REEF	FL – FLAT	RS – ROCKY SHORE	BB – BEACH/BAR
1 Submergent Algal 2 Submergent Vascular 7 Unknown Submergent	3 Coral 3 Worm	1 Cobble/Gravel 2 Sand 3 Mud 6 Vegetated Non-pioneer	1 Bedrock 2 Boulder 6 Vegetated Non-pioneer	1 Cobble/Gravel 2 Sand

E – ESTUARINE

ECOLOGICAL SYSTEM: Ecological Subsystem | CLASS: Subclass

1 – Subtidal

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	RF – REEF	OW – OPEN WATER/ Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Floating 6 Floating Submergent 7 Unknown Surface	3 Mollusc 3 Worm	

2 – Intertidal

AB – AQUATIC BED	RF – REEF	FL – FLAT	SS – STREAMBED	RS – ROCKY SHORE	BB – BEACH/BAR
1 Submergent Algal 2 Submergent Vascular 3 Floating 7 Unknown Surface	3 Mollusc 3 Worm	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic 6 Vegetated Pioneer 6 Vegetated Non-pioneer	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Boulder 6 Vegetated Non-pioneer	1 Cobble/Gravel 2 Sand

EM – EMERGENT	SS – SCRUB/SHRUB	FO – FORESTED
1 Persistent 2 Non-persistent 3 Narrow-leaved Nonpersistent 4 Broad-leaved Nonpersistent 5 Narrow-leaved Persistent 6 Broad-leaved Persistent	1 Broad-leaved Deciduous 2 Broad-leaved Evergreen 3 Needle-leaved Deciduous 4 Needle-leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad-leaved Deciduous 2 Broad-leaved Evergreen 3 Needle-leaved Deciduous 4 Needle-leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen

R – RIVERINE

ECOLOGICAL SYSTEM: Ecological Subsystem | CLASS: Subclass

1 – Tidal

EM – EMERGENT(1)
1 Persistent 2 Narrow-leaved Nonpersistent 4 Broad-leaved Nonpersistent

2 – Lower Perennial

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	FL – FLAT
1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Floating Vascular 4 Floating-leaved 5 Moss 6 Unknown Submergent 7 Unknown Surface	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic 6 Vegetated Pioneer 6 Vegetated Non-pioneer

3 – Upper Perennial

AB – AQUATIC BED	FL – FLAT
1 Submergent Algal 2 Submergent Vascular 3 Floating Vascular 4 Floating-leaved 5 Moss 6 Unknown Submergent 7 Unknown Surface	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic 6 Vegetated Pioneer 6 Vegetated Non-pioneer

4 – Intermittent

SB – STREAMBED	RS – ROCKY SHORE
1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Boulder

5 – Unknown Perennial

RS – ROCKY SHORE	BB – BEACH/BAR	OW – OPEN WATER/ Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand	

(1) EM – EMERGENTS are only found in the Riverine Tidal and Riverine Lower Perennial Ecological Subsystem. All other classes are found in all Riverine Ecological Subsystems.

L – LACUSTRINE

ECOLOGICAL SYSTEM: Ecological Subsystem | CLASS: Subclass

1 – Limnetic

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	OW – OPEN WATER/ Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble/Gravel 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating-leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	

2 – Littoral

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	FL – FLAT	RS – ROCKY SHORE	BB – BEACH/BAR	EM – EMERGENT	OW – OPEN WATER/ Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating-leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic 6 Vegetated Pioneer 6 Vegetated Non-pioneer	1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand	3 Narrow-leaved Nonpersistent 4 Broad-leaved Nonpersistent	

P – PALUSTRINE

ECOLOGICAL SYSTEM: No Subsystem | CLASS: Subclass

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	FL – FLAT	ML – MOSS/ LICHEN	EM – EMERGENT
1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating-leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic 6 Vegetated Pioneer 6 Vegetated Non-pioneer	1 Moss 2 Lichen	1 Persistent 2 Non-persistent 3 Narrow-leaved Nonpersistent 4 Broad-leaved Nonpersistent 5 Narrow-leaved Persistent 6 Broad-leaved Persistent

SS – SCRUB/SHRUB	FO – FORESTED	OW – OPEN WATER/ Unknown Bottom
1 Broad-leaved Deciduous 2 Needle-leaved Deciduous 3 Broad-leaved Evergreen 4 Needle-leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad-leaved Deciduous 2 Needle-leaved Deciduous 3 Broad-leaved Evergreen 4 Needle-leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	

MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME(1)

Non-Tidal		Tidal		
A Temporary	H Permanent	K Artificial	S Seasonal Tidal	
B Saturated	J Intermittently Flooded	L Subtidal	T Temporary Tidal	
C Seasonal	Y Artificial	M Irregularly Exposed	V Permanently Tidal	
D Seasonal Well-drained	Z Artificially Flooded/Permanent	N Regular	W Semipermanent Tidal	
E Seasonal Saturated	Artificially Flooded/Temporary	P Irregular	X Intermittent Tidal	
F Semipermanent	Artificially Flooded/Seasonal		U Unknown	
G Intermittently Exposed	U Unknown			

WATER CHEMISTRY

Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water
1 Hyperhaline 2 Eusaline 3 Mixohaline (Brackish) 4 Polyhaline 5 Mesohaline 6 Oligohaline 0 Fresh	2 Hypersaline 3 Eusaline 4 Subsaline 0 Fresh	8 Acid 9 Circumneutral A Alkaline

SOIL

S Organic	
A Mineral	

SPECIAL MODIFIERS

b Beaver	h Diked/Impounded
d Partially Drained/Ditched	r Artificial
f Farmed	s Spoil
	x Excavated

(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source.

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Cape Rocks
Walkers Point
Oaks Neck
Oaks Reef
Little Fishing Rock
Fishing Rock
Cape Arundel
ATLANTIC OCEAN
PORTLAND SE
KITTERY
SCALE 1:24000
KENNEBUNKPORT, ME.
43°15'
70°22'30"
4/75
5

WETLAND LEGEND

U – Primarily represents upland areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions.

M – MARINE

ECOLOGICAL SYSTEM → Ecological Subsystem → CLASS → Subclass

1 – Subtidal

RS – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	RF – REEF	OW – OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 6 Unknown Submergent	1 Coral 3 Worm	

2 – Intertidal

AB – AQUATIC BED	RF – REEF	FL – FLAT	RS – ROCKY SHORE	BB – BEACH/BAR
1 Submergent Algal 2 Submergent Vascular 6 Unknown Submergent	1 Coral 3 Worm	1 Cobble-Gravel 2 Sand 3 Mud 6 Vegetated Non-pioneer	1 Bedrock 2 Boulder 6 Vegetated Non-pioneer	1 Cobble-Gravel 2 Sand

E – ESTUARINE

ECOLOGICAL SYSTEM → Ecological Subsystem → CLASS → Subclass

1 – Subtidal

RS – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	RF – REEF	OW – OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Floating-leaved 4 Floating 6 Unknown Submergent 7 Unknown Surface	2 Mollusc 3 Worm	

2 – Intertidal

AB – AQUATIC BED	RF – REEF	FL – FLAT	SB – STREAMBED	RS – ROCKY SHORE	BB – BEACH/BAR
1 Submergent Algal 2 Submergent Vascular 6 Unknown Submergent 7 Unknown Surface	2 Mollusc 3 Worm	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 6 Vegetated Pioneer 8 Vegetated Non-pioneer	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Boulder 6 Vegetated Non-pioneer	1 Cobble-Gravel 2 Sand

EM – EMERGENT	SS – SCRUB/SHRUB	FO – FORESTED
1 Persistent 2 Nonpersistent 3 Narrow-leaved Nonpersistent 4 Broad-leaved Nonpersistent 5 Narrow-leaved Persistent 6 Broad-leaved Persistent	1 Broad-leaved Deciduous 3 Broad-leaved Evergreen 4 Needle-leaved Evergreen 6 Dead 8 Deciduous 7 Evergreen	1 Broad-leaved Deciduous 3 Broad-leaved Evergreen 4 Needle-leaved Evergreen 6 Dead 8 Deciduous 7 Evergreen

R – RIVERINE

ECOLOGICAL SYSTEM → Ecological Subsystem → CLASS → Subclass

1 – Tidal | **2 – Lower Perennial** | **3 – Upper Perennial** | **4 – Intermittent** | **5 – Unknown Perennial**

CLASS	EM – EMERGENT(1)	RS – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	FL – FLAT	SB – STREAMBED	RS – ROCKY SHORE	BB – BEACH/BAR	OW – OPEN WATER Unknown Bottom
Subclass	2 Nonpersistent 3 Narrow-leaved Nonpersistent 4 Broad-leaved Nonpersistent	1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Floating-leaved 4 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 6 Vegetated Pioneer 8 Vegetated Non-pioneer	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand	

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L – LACUSTRINE

ECOLOGICAL SYSTEM → Ecological Subsystem → CLASS → Subclass

1 – Limnetic

RS – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	OW – OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating-leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	

2 – Littoral

RS – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	FL – FLAT	RS – ROCKY SHORE	BB – BEACH/BAR	EM – EMERGENT	OW – OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating-leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 6 Vegetated Pioneer 8 Vegetated Non-pioneer	1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand	2 Nonpersistent 3 Narrow-leaved Nonpersistent 4 Broad-leaved Nonpersistent	

P – PALUSTRINE

ECOLOGICAL SYSTEM → No Subsystem → CLASS → Subclass

RS – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	FL – FLAT	ML – MOSS/LICHEN	EM – EMERGENT	SS – SCRUB/SHRUB	FO – FORESTED	OW – OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating-leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 6 Vegetated Pioneer 8 Vegetated Non-pioneer	1 Moss 2 Lichen	Persistent 2 Nonpersistent 3 Narrow-leaved Nonpersistent 4 Broad-leaved Nonpersistent 5 Narrow-leaved Persistent 6 Broad-leaved Persistent	1 Broad-leaved Deciduous 2 Needle-leaved Deciduous 3 Broad-leaved Evergreen 4 Needle-leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad-leaved Deciduous 2 Needle-leaved Deciduous 3 Broad-leaved Evergreen 4 Needle-leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	

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WATER REGIME(1)

Non-Tidal

A Temporary	H Permanent
B Saturated	J Intermittently Flooded
C Seasonal	K Artificial
D Seasonal-Well-drained	Z Intermittently Exposed/Permanent
E Seasonal-Saturated	V Intermittently Flooded/Temporary
F Semipermanent	W Intermittently Flooded/Seasonal
G Intermittently Exposed	U Unknown

Tidal

L Artificial	R Seasonal Tidal
M Subtidal	S Temporary Tidal
N Irregularly Exposed	T Semipermanent Tidal
P Regular	V Permanent Tidal
Y Irregular	U Unknown

WATER CHEMISTRY

Coastal Salinity

1 Hyperhaline	
2 Euhaline	
3 Mesohaline (Brackish)	
4 Polyhaline	
5 Mesohaline	
6 Oligohaline	
0 Fresh	

Inland Salinity

7 Hypersaline	
8 Eusaline	
9 Mesosaline	
0 Fresh	

pH Modifiers for all Fresh Water

4 Acid	
5 Circumneutral	
6 Alkaline	

SOIL

1 Organic	
2 Mineral	

SPECIAL MODIFIERS

b Beaver	h Diked/Impounded
d Partially Drained/Ditched	r Artificial
f Farmed	s Spoil
	x Excavated

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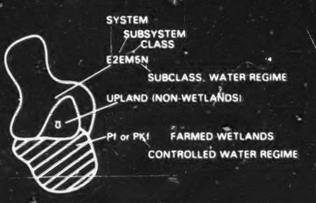

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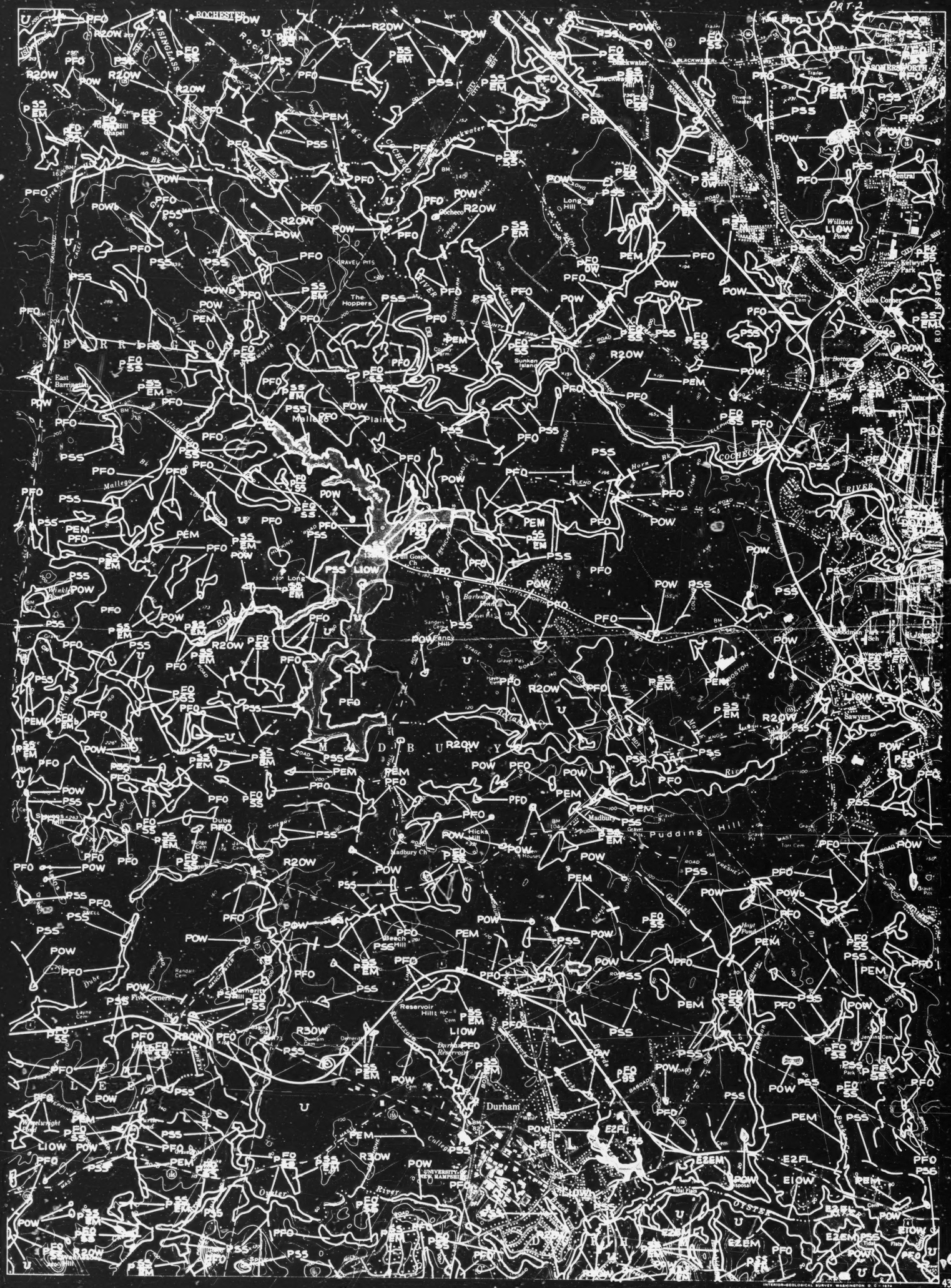
AP 14084C-D

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

PART 2


ROCHESTER
Rochester
Blackwater
Long Hill
Willand Pond
Kelwyn Park
Gates Corner
Cocheco
Pudding Hill
Madbury
Durham
Sawyers
Hicks Hill
Sunken Island
Plains
Mallego
Barrington
East Barrington
Five Corners
Reservoir Hill
Beech Hill
Dube
Wheelwright
Tuttle
Horn
Trend
Watson
Telephone
Isinglass
Crown
Old Crown
Old Dover
Old County
Old Turnpike
Old Post
Old Stage
Old Gage
Old Gulf
Old Mill
Old Tavern
Old Tuttle
Old Wheelwright
Old Wood
Old Orchard
Old Quarry
Old Rochester
Old Sawyer
Old Shop
Old Stone
Old Tannery

WETLAND LEGEND

U – Primarily represents upland areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions.

M – MARINE

ECOLOGICAL SYSTEM | Ecological Subsystem | CLASS | Subclass

1 – Subtidal

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	RF – REEF	OW – OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algae 2 Submergent Vascular 3 Unknown Submergent	1 Coral 3 Worm	

2 – Intertidal

AB – AQUATIC BED	RF – REEF	FL – FLAT	RS – ROCKY SHORE	BB – BEACH BAR
1 Submergent Algae 2 Submergent Vascular 3 Unknown Submergent	1 Coral 3 Worm	1 Cobble/Gravel 2 Sand 3 Mud 6 Vegetated Non pioneer	1 Bedrock 2 Boulder 6 Vegetated Non pioneer	1 Cobble Gravel 2 Sand

E – ESTUARINE

ECOLOGICAL SYSTEM | Ecological Subsystem | CLASS | Subclass

1 – Subtidal

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	RF – REEF	OW – OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algae 2 Submergent Vascular 4 Floating leaved 5 Floating 8 Unknown Submergent 9 Unknown Surface	2 Mollusc 3 Worm	

2 – Intertidal

RB – ROCK BOTTOM	AB – AQUATIC BED	RF – REEF	FL – FLAT	SB – STREAMBED	RS – ROCKY SHORE	BB – BEACH BAR	EM – EMERGENT	SS – SCRUB/SHRUB	FO – FORESTED
1 Bedrock 2 Boulder	1 Submergent Algae 2 Submergent Vascular 4 Floating leaved 5 Floating 8 Unknown Submergent 9 Unknown Surface	2 Mollusc 3 Worm	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic 6 Vegetated Pioneer 7 Vegetated Non pioneer	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Boulder 6 Vegetated Non pioneer	1 Cobble Gravel 2 Sand	1 Persistent 2 Non-persistent 3 Narrow leaved Non-persistent 4 Broad leaved Non-persistent 5 Narrow leaved Persistent 6 Broad leaved Persistent	1 Broad leaved Deciduous 2 Broad leaved Evergreen 3 Needle leaved Deciduous 4 Needle leaved Evergreen 5 Deciduous 6 Evergreen	1 Broad leaved Deciduous 2 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Deciduous 6 Evergreen

R – RIVERINE

ECOLOGICAL SYSTEM | Ecological Subsystem | CLASS | Subclass

1 – Tidal | 2 – Lower Perennial | 3 – Upper Perennial | 4 – Intermittent | 5 – Unknown Perennial

EM – EMERGENT(1)	RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	FL – FLAT	SB – STREAMBED	RS – ROCKY SHORE	BB – BEACH BAR	OW – OPEN WATER Unknown Bottom
2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent	1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algae 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 8 Unknown Submergent 9 Unknown Surface	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic 6 Vegetated Pioneer 7 Vegetated Non pioneer	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand	

(1) EM – EMERGENTS are only found in the Riverine Tidal and Riverine Lower Perennial Ecological Subsystem. All other classes are found in all Riverine Ecological Subsystems.

L – LACUSTRINE

ECOLOGICAL SYSTEM | Ecological Subsystem | CLASS | Subclass

1 – Limnetic

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	OW – OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algae 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 8 Unknown Submergent 9 Unknown Surface	

2 – Littoral

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	FL – FLAT	RS – ROCKY SHORE	BB – BEACH BAR	EM – EMERGENT	OW – OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algae 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic 6 Vegetated Pioneer 7 Vegetated Non pioneer	1 Bedrock 2 Boulder	1 Cobble Gravel 2 Sand	1 Nonpersistent 4 Broad leaved Nonpersistent	

P – PALUSTRINE

ECOLOGICAL SYSTEM | No Subsystem | CLASS | Subclass

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	FL – FLAT	SM – MOSS-LICHEN	EM – EMERGENT	SS – SCRUB/SHRUB	FO – FORESTED	OW – OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algae 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 8 Unknown Submergent 9 Unknown Surface	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic 6 Vegetated Pioneer 7 Vegetated Non pioneer	1 Moss 2 Lichen	1 Persistent 2 Non-persistent 3 Narrow leaved Non-persistent 4 Broad leaved Non-persistent 5 Narrow leaved Persistent 6 Broad leaved Persistent	1 Broad leaved Deciduous 2 Needle leaved Deciduous 3 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad leaved Deciduous 2 Needle leaved Deciduous 3 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	

MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME(1)							WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS	
Non-Tidal			Tidal				Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water			
A – Temporary	H – Permanent		K – Artificial		R – Seasonal Tidal		1 – Hyperhaline	5 – Hyperhaline	6 – Acid	s – Organic	b – Beaver	h – Diked/Impounded
B – Saturated	J – Intermittently Flooded		L – Subtidal		S – Temporary Tidal		2 – Euhaline	6 – Eusaline	7 – Circumneutral	m – Mineral	d – Partially Drained/Ditched	n – Artificial
C – Seasonal	K – Artificial		M – Irregularly Exposed		T – Semipermanent Tidal		3 – Mixohaline (Brackish)	7 – Mixosaline	8 – Alkaline		f – Farmed	r – Spoil
D – Seasonal Well drained	L – Intermittently Exposed/Permanent		N – Regular		V – Permanent Tidal		4 – Polyhaline	8 – Miohaline				s – Excavated
E – Seasonal Saturated	M – Intermittently Flooded/Temporary		P – Irregular		U – Unknown		5 – Mesohaline	0 – Fresh				
F – Semipermanent	N – Saturated/Semipermanent/Seasonal						6 – Oligohaline					
G – Intermittently Exposed	U – Unknown						0 – Fresh					

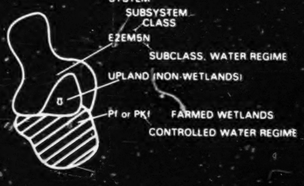
(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source.

SPECIAL NOTE

This document was prepared primarily by stereoscopic analysis of high altitude aerial photographs. Wetlands were identified on the photographs based on vegetation, visible hydrology, and geography in accordance with Classification of Wetlands and Deep-Water Habitats of the United States (An Operational Draft), Cowardin, et al, 1977. The aerial photographs typically reflect conditions during the specific year and season when they were taken. In addition, there is a margin of error inherent in the use of the aerial photographs. Thus, a detailed on the ground and historical analysis of a single site may result in a revision of the wetland boundaries established through photographic interpretation. In addition, some small wetlands and those obscured by dense forest cover may not be included on this document.

Federal, State and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, State or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, State or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

SYMBOLOGY EXAMPLE



NOTES TO THE USER

- Wetlands which have been field examined are indicated on the map by an asterisk (*).
- Dominance type (either vegetative or sedentary animal) can be added to the map by the interested user.
- Additions or corrections to the wetlands information displayed on this map are solicited. Please forward such information to the address indicated.

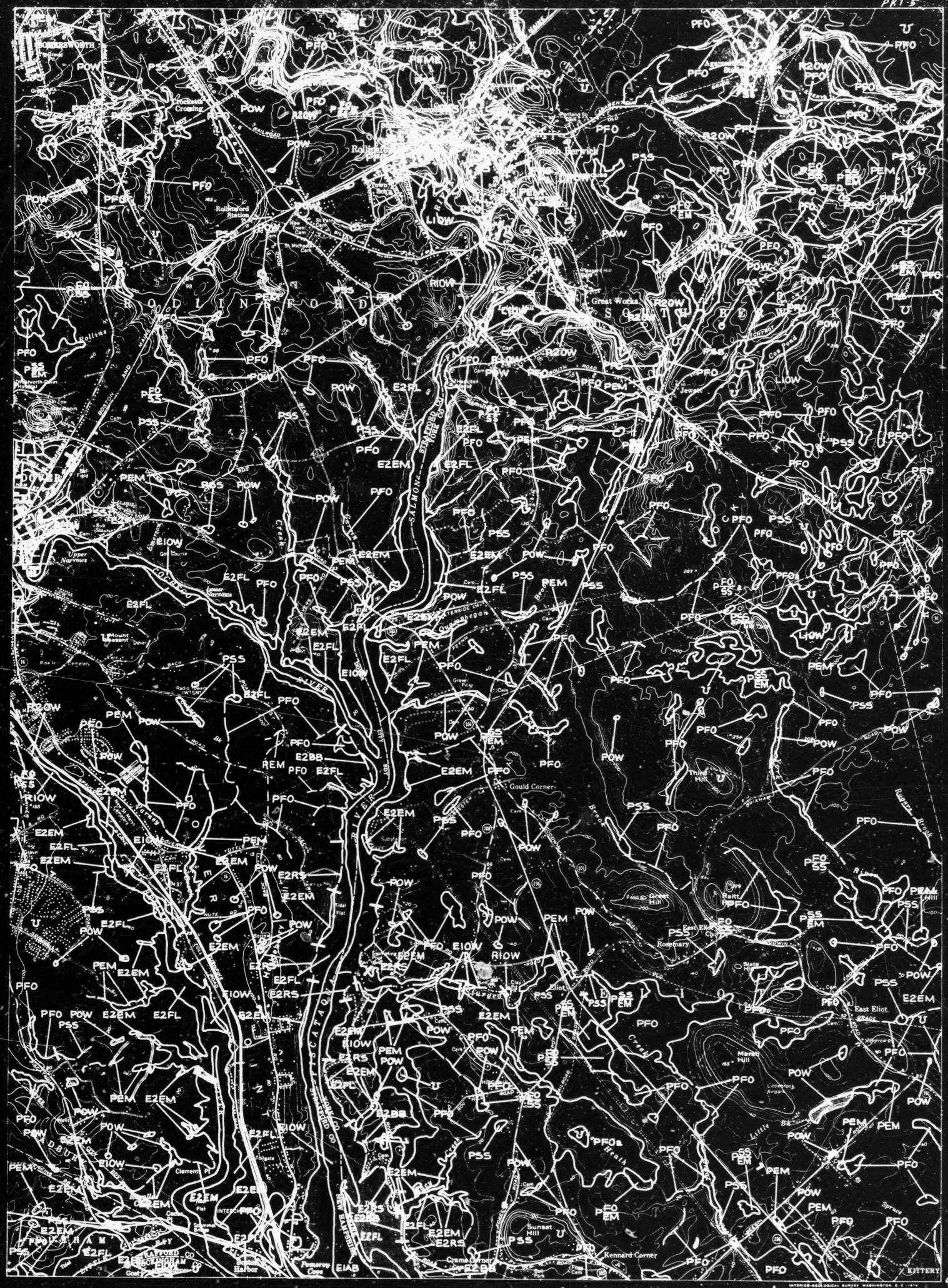
MICROFICHE INDEX
PORTLAND (ME)
SHEET INDEX

AP 1 2084C-D

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

PRT-5


DOVER
ROLLINSFORD
SOUTH BERWICK
Rollinsford Station
Crockett Crossing
Upper Narrows
Mount Vassalt
Great Works
Gould Corner
Crama Corner
Kennard Corner
Sunset Hill
Great Hill
Rosemary
East Eliot
Marsh Hill
Third Hill
Pleasant Hill
Jewett
Spruce
Raft Pond
Salmon Falls River
Piscataqua River
Back River
Bellamy River
Cocheco River
Bunker Creek
Cutts Cove
Broad Cove
Bickford Cove
Hilton Point
Fox Point
Gerrish Island
Seavey Island
Clements Pt
Pierces Is
Odiorne Point
Little Bay
Great Bay
Portsmouth Harbor
Pepperrell Cove
Spinney Creek
Sturgeon Creek
Back Channel
Tidal Flat
Gravel Pit
Sub Station
Radio Tower (WTSN)
Golf Course
Cemetery
Airport
Landing Strip
Boat Ramp
Dam
Bridge
Interchange
Tunnel
Quarry
Pond
Marsh
Woods
Brook
Creek
Road
Railroad
Boundary
Meadow
Ledge
Rocks
Sand
Mud
Flats
Beach
Dunes
Cliffs
Slope
Trail
Power Line
Pipeline
Fence
Wall
Building
Church
School
Hospital
Tank
Tower
Mill
Dock
Wharf
Pier
Jetty
Breakwater
Causeway
Levee
Ditch
Canal
Culvert
Gate
Bridge
Tunnel
Interchange
Intersection
Roundabout
Traffic Light
Stop Sign
Yield Sign
One Way
Two Way
Speed Limit
Mile Marker
Exit
Entrance
Rest Area
Scenic Overlook
Historic Site
Museum
Park
Campground
Picnic Area
Boat Launch
Fishing Pier
Swimming Area
Beach
Lifeguard
Parking
Restroom
Water Fountain
Trash Can
Recycling
Information
Emergency
Police
Fire
Ambulance
Hospital
Pharmacy
Gas Station
Restaurant
Lodging
Shopping
Banking
Post Office
Library
Church
School
Cemetery
Golf Course
Airport
Landing Strip
Boat Ramp
Dam

WETLAND LEGEND

U – Primarily represents upland areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions.

M – MARINE

ECOLOGICAL SYSTEM — Ecological Subsystem

CLASS	1 – Subtidal						2 – Intertidal						
	RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	RF – REEF	OW – OPEN WATER Unknown Bottom		AB – AQUATIC BED	RF – REEF	FL – FLAT	RS – ROCKY SHORE	BB – BEACH BAR	
Subclass	1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algae 2 Submergent Vascular 6 Unknown Submergent	1 Coral 2 Worm			1 Submergent Algae 2 Submergent Vascular 6 Unknown Submergent	1 Coral 2 Worm	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Non pioneer	1 Bedrock 2 Boulder 6 Vegetated Non pioneer	1 Cobble-Gravel 2 Sand	

E – ESTUARINE

ECOLOGICAL SYSTEM — Ecological Subsystem

CLASS	1 – Subtidal					2 – Intertidal														
	RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	RF – REEF	OW – OPEN WATER Unknown Bottom	AB – AQUATIC BED	RF – REEF	FL – FLAT	SB – STREAMBED	RS – ROCKY SHORE	BB – BEACH/BAR	EM – EMERGENT	SS – SCRUB/SHRUB	FO – FORESTED						
Subclass	1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algae 2 Submergent Vascular 5 Floating Submergent 7 Unknown Submergent 8 Unknown Surface	2 Mollusc 3 Worm		1 Submergent Algae 2 Submergent Vascular 5 Floating Submergent 7 Unknown Surface	2 Mollusc 3 Worm	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 6 Vegetated Non pioneer	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Boulder 6 Vegetated Non pioneer	1 Cobble-Gravel 2 Sand	1 Persistent 2 Non-persistent 3 Narrow leaved Non-persistent 4 Broad leaved Non-persistent 5 Narrow leaved Persistent 6 Broad leaved Persistent	1 Broad leaved Deciduous 2 Broad leaved Evergreen 3 Needle leaved Evergreen 4 Dead 5 Deciduous Evergreen	1 Broad leaved Deciduous 2 Broad leaved Evergreen 3 Needle leaved Evergreen 4 Dead 5 Deciduous Evergreen			

R – RIVERINE

ECOLOGICAL SYSTEM — Ecological Subsystem

CLASS	1 – Tidal			2 – Lower Perennial			3 – Upper Perennial			4 – Intermittent			5 – Unknown Perennial			
	RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	EM – EMERGENT(1)	RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	FL – FLAT	SB – STREAMBED	RS – ROCKY SHORE	BB – BEACH/BAR	RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	OW – OPEN WATER Unknown Bottom	
Subclass	2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent	1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algae 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 6 Unknown Submergent 8 Unknown Surface	1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 6 Vegetated Non pioneer	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand	1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand		

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L – LACUSTRINE

ECOLOGICAL SYSTEM — Ecological Subsystem

CLASS	1 – Limnetic				2 – Littoral									
	RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	OW – OPEN WATER Unknown Bottom	RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	FL – FLAT	RS – ROCKY SHORE	BB – BEACH BAR	EM – EMERGENT	OW – OPEN WATER Unknown Bottom		
Subclass	1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algae 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 6 Unknown Submergent 8 Unknown Surface		1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algae 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 6 Unknown Submergent 8 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 6 Vegetated Non pioneer	1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand	1 Nonpersistent 2 Narrow leaved Nonpersistent 3 Broad leaved Nonpersistent			

P – PALUSTRINE

ECOLOGICAL SYSTEM — No Subsystem

CLASS	RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	FL – FLAT	ML – MOSS LICHEN	EM – EMERGENT	SS – SCRUB/SHRUB	FO – FORESTED	OW – OPEN WATER Unknown Bottom
Subclass	1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algae 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 6 Vegetated Non pioneer	1 Moss 2 Lichen	1 Persistent 2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent 5 Narrow leaved Persistent 6 Broad leaved Persistent	1 Broad leaved Deciduous 2 Needle leaved Deciduous 3 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad leaved Deciduous 2 Needle leaved Deciduous 3 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	

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WATER REGIME(1)				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non-Tidal		Tidal		Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		
A Temporary B Saturated C Seasonal D Seasonal Well drained E Seasonal Saturated F Semipermanent G Intermittently Exposed	H Permanent J Intermittently Flooded K Artificial V Intermittently Exposed/Permanent R Intermittently Flooded/Temporary S Saturated/Semipermanent/Seasonal	L Artificial N Subtidal P Irregularly Exposed Q Regularly Exposed T Irregular	R Seasonal Tidal S Temporary Tidal T Semipermanent Tidal U Unknown	1 Hyperhaline 2 Euhaline 3 Mixohaline (Brackish) 4 Polyhaline 5 Mesohaline 6 Oligohaline 0 Fresh	7 Hypersaline 8 Eusaline 9 Mixosaline 0 Fresh	+ Alkaline - Acid Calcareous Ferruginous	g Organic m Mineral	b Beaver d Partially Drained/Ditched f Farmed h Diked/Impounded n Artificial s Spoil x Excavated

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SYMBOLOGY EXAMPLE

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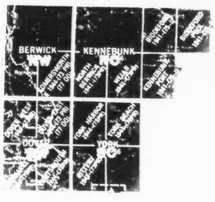
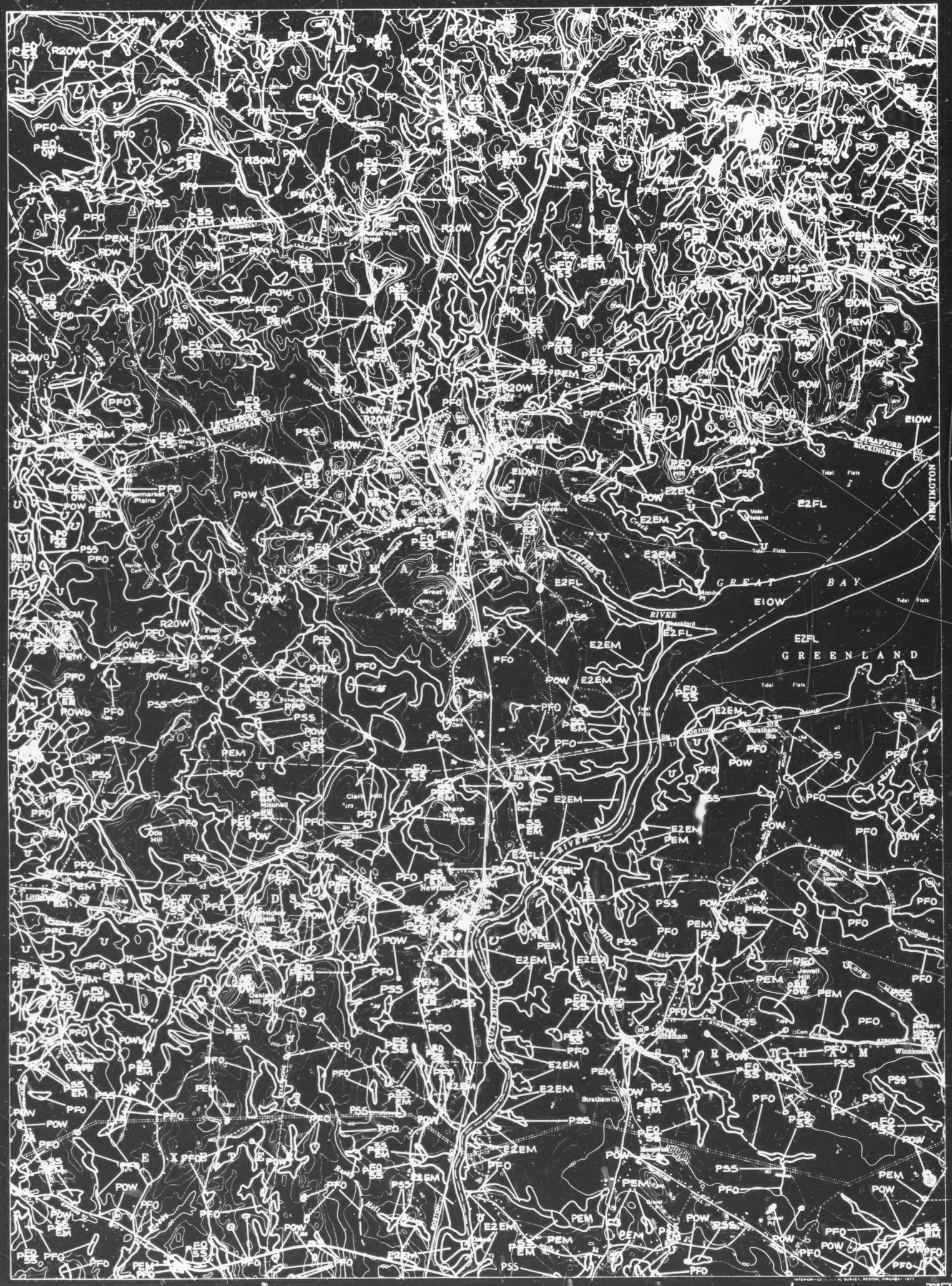
MICROFICHE INDEX
PORTLAND (SE)
KITTERY



NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

PAT-3



PORTLAND SE
KITTERY

4/77

NEWMARKET, N. H.

SCALE 1:24000

1 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 0 1 KILOMETER

8

43°00'
70°52'30"

WETLAND LEGEND

U – Primarily represents upland areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions.

M – MARINE

ECOLOGICAL SYSTEM

Ecological Subsystem

1 – Subtidal

RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	RF REEF	OW OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 8 Unknown Submergent	1 Coral 3 Worm	

2 – Intertidal

AB AQUATIC BED	RF REEF	FL FLAT	RS ROCKY SHORE	BB BEACH/BAR
1 Submergent Algal 2 Submergent Vascular 6 Unknown Submergent	1 Coral 3 Worm	1 Cobble-Gravel 2 Sand 3 Mud 6 Vegetated Non pioneer	1 Bedrock 2 Boulder 6 Vegetated Non pioneer	1 Cobble-Gravel 2 Sand

CLASS

Subclass

E – ESTUARINE

ECOLOGICAL SYSTEM

Ecological Subsystem

1 – Subtidal

RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	RF REEF	OW OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Floating-leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	2 Mollusc 3 Worm	

2 – Intertidal

AB AQUATIC BED	RF REEF	FL FLAT	SB STREAMBED	RS ROCKY SHORE	BB BEACH/BAR	EM EMERGENT	SS SCRUB/SHRUB	FO FORESTED
1 Submergent Algal 2 Submergent Vascular 6 Unknown Submergent 7 Unknown Surface	2 Mollusc 3 Worm	1 Cobble-Gravel 2 Sand 3 Mud 5 Organic 6 Vegetated Pioneer 8 Vegetated Non pioneer	1 Cobble-Gravel 2 Sand 3 Mud 5 Organic	1 Bedrock 2 Boulder 6 Vegetated Non pioneer	1 Cobble-Gravel 2 Sand	1 Persistent 2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent 5 Narrow leaved Persistent 6 Broad leaved Persistent	1 Broad leaved Deciduous 2 Broad leaved Evergreen 3 Needle leaved Evergreen 4 Dead 5 Deciduous 6 Evergreen	1 Broad leaved Deciduous 2 Broad leaved Evergreen 3 Needle leaved Evergreen 4 Dead 5 Deciduous 6 Evergreen

CLASS

Subclass

R – RIVERINE

ECOLOGICAL SYSTEM

Ecological Subsystem

1 – Tidal | 2 – Lower Perennial | 3 – Upper Perennial | 4 – Intermittent | 5 – Unknown Perennial

EM EMERGENT(1)	RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	FL FLAT	SB STREAMBED	RS ROCKY SHORE	BB BEACH/BAR	OW OPEN WATER Unknown Bottom
2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent	1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 5 Organic 6 Vegetated Pioneer 8 Vegetated Non pioneer	1 Cobble-Gravel 2 Sand 3 Mud 5 Organic	1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand	

CLASS

Subclass

(1) EM EMERGENTS are only found in the Riverine Tidal and Riverine Lower Perennial Ecological Subsystem. All other classes are found in all Riverine Ecological Subsystems.

L – LACUSTRINE

ECOLOGICAL SYSTEM

Ecological Subsystem

1 – Limnetic

RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	OW OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 5 Floating 6 Unknown Submergent 7 Unknown Surface	

2 – Littoral

RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	FL FLAT	RS ROCKY SHORE	BB BEACH/BAR	EM EMERGENT	OW OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 5 Organic 6 Vegetated Pioneer 8 Vegetated Non pioneer	1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand	1 Persistent 2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent	

CLASS

Subclass

P – PALUSTRINE

ECOLOGICAL SYSTEM

No Subsystem

RB ROCK BOTTOM	UB UNCONSOLIDATED BOTTOM	AB AQUATIC BED	FL FLAT	BL MOSS LICHEN	EM EMERGENT	SS SCRUB/SHRUB	FO FORESTED	OW OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 5 Floating 7 Unknown Submergent 8 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 6 Vegetated Pioneer 8 Vegetated Non pioneer	1 Moss 2 Lichen	1 Persistent 2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent 5 Narrow leaved Persistent 6 Broad leaved Persistent	1 Broad leaved Deciduous 2 Needle leaved Deciduous 3 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad leaved Deciduous 2 Needle leaved Deciduous 3 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	

CLASS

Subclass

MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system

WATER REGIME(1)

Non-Tidal

- A Temporary
- B Saturated
- C Seasonal
- D Seasonal Well-drained
- E Seasonal Saturated
- F Semipermanent
- G Intermittently Exposed

- H Permanent
- J Intermittently Flooded
- K Artificial
- Y Intermittently Exposed/Permanent
- Z Intermittently Flooded/Permanent
- U Unknown

Tidal

- R Artificial
- L Subtidal
- S Irregularly Exposed
- T Regular
- V Irregular

- B Seasonal Tidal
- C Temporary Tidal
- D Semipermanent Tidal
- E Permanent Tidal
- U Unknown

WATER CHEMISTRY

Coastal Salinity

- 1 Hyperhaline
- 2 Euhaline
- 3 Mixohaline (Brackish)
- 4 Polyhaline
- 5 Mesohaline
- 6 Oligohaline
- 0 Fresh

Inland Salinity

- 1 Hypersaline
- 2 Eusaline
- 3 Dysaline
- 4 Subsaline
- 0 Fresh

pH Modifiers for all Fresh Water

- 4 Acid
- 5 Circumneutral
- 6 Alkaline

SOIL

- S Organic
- M Mineral

SPECIAL MODIFIERS

- b Beaver
- d Partially Drained/Ditched
- f Farmed
- h Diked/Impounded
- k Artificial Spoil
- x Excavated

(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source

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SYMBOLOGY EXAMPLE

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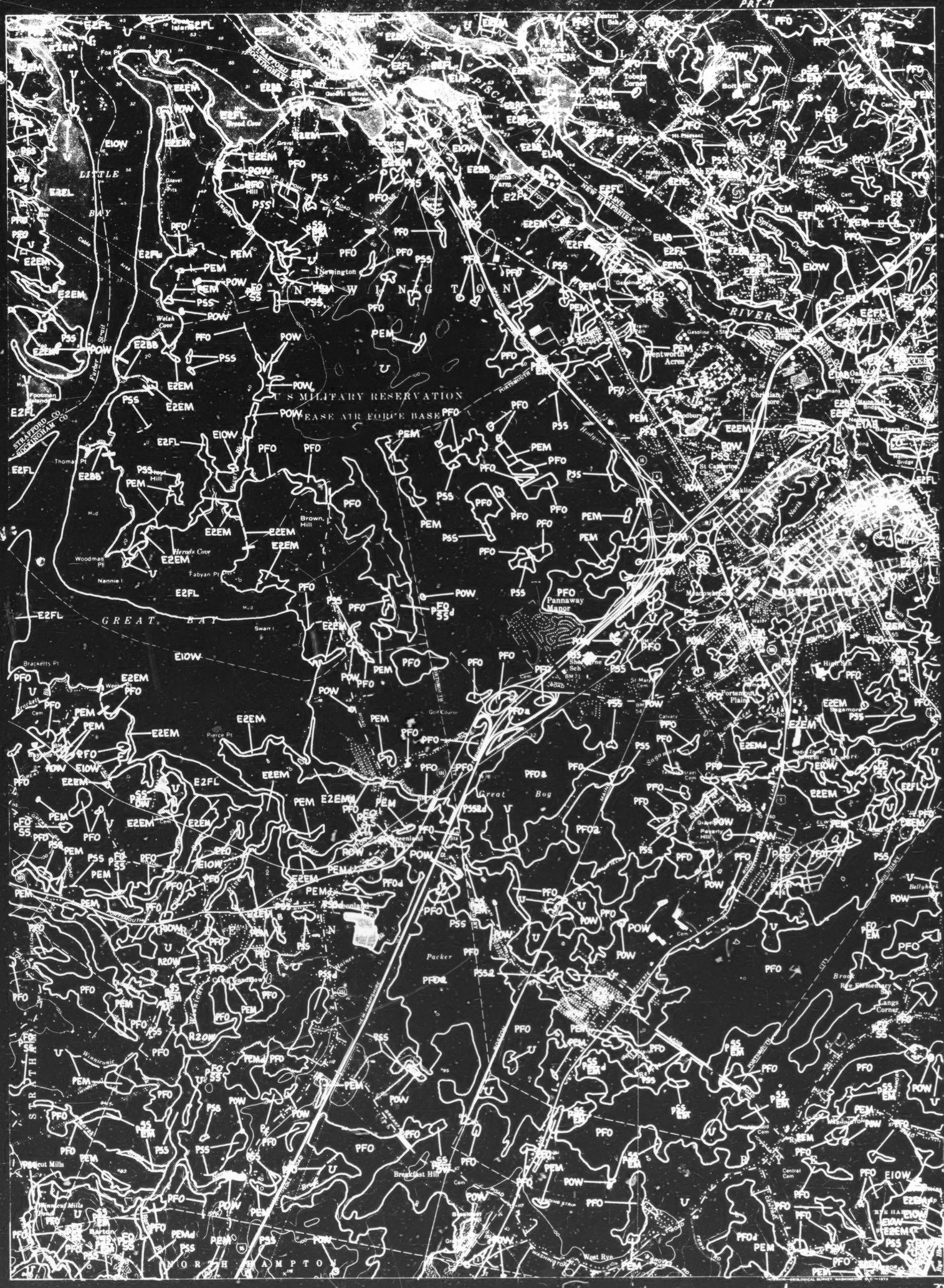
MICROFICHE INDEX
PORTLAND (SE)
NW/4 SW/4

NATIONAL WETLANDS INVENTORY
UNITED STATES DEPARTMENT OF THE INTERIOR

PRT-4



PORTLAND SE
KITTERY

SCALE 1:24000
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 5 0 1 KILOMETER

9

43°00'
70°45'

4/77

PORTSMOUTH, N.H.—ME

WETLAND LEGEND

U – Primarily represents upland areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions.

M – MARINE

ECOLOGICAL SYSTEM

Ecological Subsystem

1 – Subtidal

2 – Intertidal

CLASS	RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	RF – REEF	OW – OPEN WATER Unknown Bottom	AB – AQUATIC BED	RF – REEF	FL – FLAT	RS – ROCKY SHORE	BB – BEACH BAR
Subclass	1 – Bedrock 2 – Boulder	1 – Cobble-Gravel 2 – Sand 3 – Mud 4 – Organic	1 – Submergent Algal 2 – Submergent Vascular 3 – Unknown Submergent	1 – Coral 3 – Worm		1 – Submergent Algal 2 – Submergent Vascular 3 – Unknown Submergent	1 – Coral 3 – Worm	1 – Cobble-Gravel 2 – Sand 3 – Mud 4 – Organic 6 – Vegetated Non pioneer	1 – Bedrock 2 – Boulder 6 – Vegetated Non pioneer	1 – Cobble-Gravel 2 – Sand

E – ESTUARINE

ECOLOGICAL SYSTEM

Ecological Subsystem

1 – Subtidal

2 – Intertidal

CLASS	RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	RF – REEF	OW – OPEN WATER Unknown Bottom	AB – AQUATIC BED	RF – REEF	FL – FLAT	SB – STREAMBED	RS – ROCKY SHORE	BB – BEACH BAR	EM – EMERGENT	SS – SCRUB-SHRUB	FO – FORESTED
Subclass	1 – Bedrock 2 – Boulder	1 – Cobble-Gravel 2 – Sand 3 – Mud 4 – Organic	1 – Submergent Algal 2 – Submergent Vascular 3 – Submergent Moss 4 – Floating 5 – Unknown Submergent 7 – Unknown Surface	1 – Mollusk 3 – Worm		1 – Submergent Algal 2 – Submergent Vascular 3 – Submergent Moss 4 – Floating 7 – Unknown Surface	1 – Mollusk 3 – Worm	1 – Cobble-Gravel 2 – Sand 3 – Mud 4 – Organic 5 – Vegetated Pioneer 6 – Vegetated Non pioneer	1 – Cobble-Gravel 2 – Sand 3 – Mud 4 – Organic	1 – Bedrock 2 – Boulder 6 – Vegetated Non pioneer	1 – Cobble-Gravel 2 – Sand	1 – Persistent 2 – Nonpersistent 3 – Narrow leaved Nonpersistent 4 – Broad leaved Nonpersistent 5 – Narrow leaved Persistent 6 – Broad leaved Persistent	1 – Broad leaved Deciduous 2 – Broad leaved Evergreen 4 – Needle leaved Evergreen 5 – Dead 6 – Deciduous 7 – Evergreen	1 – Broad leaved Deciduous 2 – Broad leaved Evergreen 4 – Needle leaved Evergreen 5 – Dead 6 – Deciduous 7 – Evergreen

R – RIVERINE

ECOLOGICAL SYSTEM

Ecological Subsystem

1 – Tidal

2 – Lower Perennial

3 – Upper Perennial

4 – Intermittent

5 – Unknown Perennial

CLASS	EM – EMERGENT(1)	RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	FL – FLAT	SB – STREAMBED	RS – ROCKY SHORE	BB – BEACH BAR	OW – OPEN WATER Unknown Bottom
Subclass	2 – Nonpersistent 3 – Narrow leaved Nonpersistent 4 – Broad leaved Nonpersistent	1 – Bedrock 2 – Boulder	1 – Cobble-Gravel 2 – Sand 3 – Mud 4 – Organic	1 – Submergent Algal 2 – Submergent Vascular 3 – Submergent Moss 4 – Floating-leaved 5 – Floating 6 – Unknown Submergent 7 – Unknown Surface	1 – Cobble-Gravel 2 – Sand 3 – Mud 4 – Organic 5 – Vegetated Pioneer 6 – Vegetated Non pioneer	1 – Cobble-Gravel 2 – Sand 3 – Mud 4 – Organic	1 – Bedrock 2 – Boulder	1 – Cobble-Gravel 2 – Sand	

(1) EM – EMERGENTS are only found in the Riverine Tidal and Riverine Lower Perennial Ecological Subsystem. All other classes are found in all Riverine Ecological Subsystems.

L – LACUSTRINE

ECOLOGICAL SYSTEM

Ecological Subsystem

1 – Limnetic

2 – Littoral

CLASS	RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	OW – OPEN WATER Unknown Bottom	RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	FL – FLAT	RS – ROCKY SHORE	BB – BEACH BAR	EM – EMERGENT	OW – OPEN WATER Unknown Bottom
Subclass	1 – Bedrock 2 – Boulder	1 – Cobble-Gravel 2 – Sand 3 – Mud 4 – Organic	1 – Submergent Algal 2 – Submergent Vascular 3 – Submergent Moss 4 – Floating-leaved 5 – Floating 6 – Unknown Submergent 7 – Unknown Surface		1 – Bedrock 2 – Boulder	1 – Cobble-Gravel 2 – Sand 3 – Mud 4 – Organic	1 – Submergent Algal 2 – Submergent Vascular 3 – Submergent Moss 4 – Floating-leaved 5 – Floating 6 – Unknown Submergent 7 – Unknown Surface	1 – Cobble-Gravel 2 – Sand 3 – Mud 4 – Organic 5 – Vegetated Pioneer 6 – Vegetated Non pioneer	1 – Bedrock 2 – Boulder	1 – Cobble-Gravel 2 – Sand	1 – Nonpersistent 2 – Narrow leaved Nonpersistent 3 – Broad leaved Nonpersistent	

P – PALUSTRINE

ECOLOGICAL SYSTEM

No Subsystem

CLASS	RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	FL – FLAT	ML – MOSS LICHEN	EM – EMERGENT	SS – SCRUB-SHRUB	FO – FORESTED	OW – OPEN WATER Unknown Bottom
Subclass	1 – Bedrock 2 – Boulder	1 – Cobble-Gravel 2 – Sand 3 – Mud 4 – Organic	1 – Submergent Algal 2 – Submergent Vascular 3 – Submergent Moss 4 – Floating 5 – Unknown Submergent 7 – Unknown Surface	1 – Cobble-Gravel 2 – Sand 3 – Mud 4 – Organic 5 – Vegetated Pioneer 6 – Vegetated Non pioneer	1 – Moss 2 – Lichen	1 – Persistent 2 – Nonpersistent 3 – Narrow leaved Nonpersistent 4 – Broad leaved Nonpersistent 5 – Narrow leaved Persistent 6 – Broad leaved Persistent	1 – Broad leaved Deciduous 2 – Needle leaved Deciduous 3 – Broad leaved Evergreen 4 – Needle leaved Evergreen 5 – Dead 6 – Deciduous 7 – Evergreen	1 – Broad leaved Deciduous 2 – Needle leaved Deciduous 3 – Broad leaved Evergreen 4 – Needle leaved Evergreen 5 – Dead 6 – Deciduous 7 – Evergreen	

MODIFYING TERMS

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WATER REGIME(1)										WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS	
Non-Tidal				Tidal						Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water			
A – Temporary B – Saturated C – Seasonal D – Seasonal Well-drained E – Seasonal Saturated F – Artificially Flooded G – Intermittently Exposed	H – Permanent J – Intermittently Flooded K – Artificial L – Intermittently Exposed/Permanent M – Intermittently Flooded/Temporary N – Intermittently Flooded/Permanent U – Unknown			R – Seasonal Tidal S – Temporary Tidal T – Semipermanent Tidal V – Permanent Tidal U – Unknown						1 – Hyperhaline 2 – Euhaline 3 – Mixohaline (Brackish) 4 – Polyhaline 5 – Mesohaline 6 – Oligohaline 0 – Fresh	1 – Hypersaline 2 – Euhaline 3 – Mixosaline 0 – Fresh	s – Acid t – Circumneutral u – Alkaline	O – Organic I – Mineral	b – Beaver d – Partially Drained/Ditched f – Farmed	h – Diked/Impounded r – Artificial spoil x – Excavated

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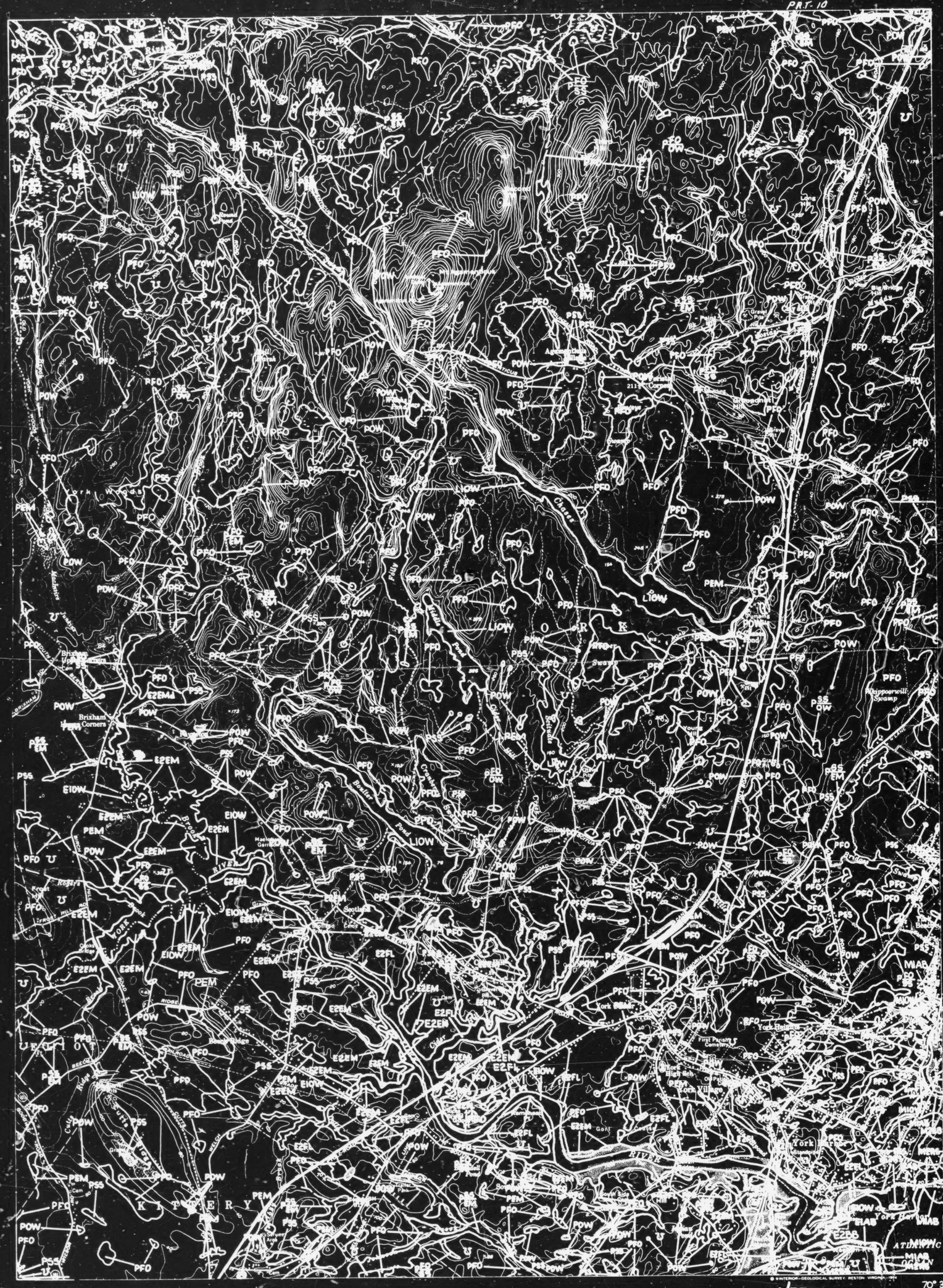
AP-14064C-D

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

PRT. 10



10

43° 07' 30"

70° 37' 30"

PORTLAND SE
KITTERY

4/77

YORK HARBOR, ME.

SCALE 1:24000

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 0 1 KILOMETER

WETLAND LEGEND

U – Primarily represents upland areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions.

M – MARINE

ECOLOGICAL SYSTEM | Ecological Subsystem | CLASS | Subclass

1 – Subtidal

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	RF – REEF	OW – OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 6 Unknown Submergent	1 Coral 3 Worm	

2 – Intertidal

AB – AQUATIC BED	RF – REEF	FL – FLAT	RS – ROCKY SHORE	BB – BEACH BAR
1 Submergent Algal 2 Submergent Vascular 6 Unknown Submergent	1 Coral 3 Worm	1 Cobble-Gravel 2 Sand 3 Mud 4 Vegetated Non pioneer	1 Bedrock 2 Boulder 6 Vegetated Non pioneer	1 Cobble Gravel 2 Sand

E – ESTUARINE

ECOLOGICAL SYSTEM | Ecological Subsystem | CLASS | Subclass

1 – Subtidal

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	RF – REEF	OW – OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Floating leaved 6 Unknown Submergent 7 Unknown Surface	2 Mollusc 3 Worm	

2 – Intertidal

AB – AQUATIC BED	RF – REEF	FL – FLAT	SB – STREAMBED	RS – ROCKY SHORE	BB – BEACH/BAR
1 Submergent Algal 2 Submergent Vascular 3 Floating leaved 7 Unknown Surface	2 Mollusc 3 Worm	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 6 Vegetated Non pioneer	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Boulder 3 Vegetated Non pioneer	1 Cobble Gravel 2 Sand

EM – EMERGENT	SS – SCRUB-SHRUB	FO – FORESTED
1 Persistent 2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent 5 Narrow leaved Persistent 6 Broad leaved Persistent	1 Broad leaved Deciduous 3 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad leaved Deciduous 3 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen

R – RIVERINE

ECOLOGICAL SYSTEM | Ecological Subsystem | CLASS | Subclass

1 – Tidal | 2 – Lower Perennial | 3 – Upper Perennial | 4 – Intermittent | 5 – Unknown Perennial

EM – EMERGENT(1)	RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	FL – FLAT	SB – STREAMBED	RS – ROCKY SHORE	BB – BEACH/BAR	OW – OPEN WATER Unknown Bottom
2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent	1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Floating leaved 5 Emergent 6 Unknown Submergent 7 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 6 Vegetated Non pioneer	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand	

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L – LACUSTRINE

ECOLOGICAL SYSTEM | Ecological Subsystem | CLASS | Subclass

1 – Limnetic

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	OW – OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Emergent 6 Unknown Submergent 7 Unknown Surface	

2 – Littoral

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	FL – FLAT	RS – ROCKY SHORE	BB – BEACH/BAR	EM – EMERGENT	OW – OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Emergent 6 Unknown Submergent 7 Unknown Surface	1 Cobble Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 6 Vegetated Non pioneer	1 Bedrock 2 Boulder	1 Cobble Gravel 2 Sand	2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent	

P – PALUSTRINE

ECOLOGICAL SYSTEM | No Subsystem | CLASS | Subclass

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	FL – FLAT	MA – MOSS LICHEN	EM – EMERGENT	SS – SCRUB-SHRUB	FO – FORESTED	UW – OPEN WATER Unknown Bottom
1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating leaved 5 Emergent 6 Unknown Submergent 7 Unknown Surface	1 Cobble/Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated Pioneer 6 Vegetated Non pioneer	1 Moss 2 Lichen	1 Persistent 2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent 5 Narrow leaved Persistent 6 Broad leaved Persistent	1 Broad leaved Deciduous 2 Needle leaved Deciduous 3 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad leaved Deciduous 2 Needle leaved Deciduous 3 Broad leaved Evergreen 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	

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WATER REGIME(1)		WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non-Tidal	Tidal	Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		
A Temporary B Saturated C Seasonal D Seasonal Well drained E Seasonal Saturated F Semipermanent G Intermittently Exposed	H Permanent J Intermittently Flooded K Artificial R Intermittently Exposed/Permanent S Intermittently Flooded/Temporary T Saturated/Semipermanent/Seasonal U Unknown	E Hypersaline F Eusaline G Mixohaline (Brackish) H Polyhaline J Mesohaline D Oligohaline 0 Fresh	1 Hypersaline 2 Eusaline 3 Mixosaline 0 Fresh	5 Acid 6 Circumneutral 7 Alkaline	0 Organic 1 Mineral	b Beaver d Partially Drained/Ditched f Farmed h Diked/Impounded n Artificial r Spoil x Excavated
K Artificial L Subtidal M Irregularly Exposed N Regular P Irregular	R Seasonal Tidal S Temporary Tidal T Semipermanent Tidal U Permanent Tidal					

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MICROFICHE INDEX
PORTLAND (ME)
KITTERY

PORTLAND SE
KITTERY

SCALE 1:24000

1 MILE 0
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 0 1 KILOMETER

INTERIOR-GEOLOGICAL SURVEY, WASHINGTON, D. C.-1974
77°30'00" E

11
43°07'30"
70°30'

4/77

YORK BEACH, ME.

WETLAND LEGEND

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M – MARINE

ECOLOGICAL SYSTEM — Ecological Subsystem — CLASS — Subclass

1 – Subtidal

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	RF – REEF	OW – OPEN WATER
1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Unknown Submergent	1 Coral 3 Worm	Unknown Bottom

2 – Intertidal

AB – AQUATIC BED	RF – REEF	FL – FLAT	RS – ROCKY SHORE	BB – BEACH/BAR	CLASS
1 Submergent Algal 2 Submergent Vascular 3 Unknown Submergent	1 Coral 3 Worm	1 Cobble-Gravel 2 Sand 3 Mud 8 Vegetated Non pioneer	1 Bedrock 2 Boulder 8 Vegetated Non pioneer	1 Cobble-Gravel 2 Sand	Subclass

E – ESTUARINE

ECOLOGICAL SYSTEM — Ecological Subsystem — CLASS — Subclass

1 – Subtidal

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	RF – REEF	OW – OPEN WATER
1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Unknown Submergent 4 Floating-leaved 5 Floating 6 Emergent Submergent 7 Unknown Surface	2 Mollusc 3 Worm	Unknown Bottom

2 – Intertidal

AB – AQUATIC BED	RF – REEF	FL – FLAT	SB – STREAMBED	RS – ROCKY SHORE	BB – BEACH/BAR	EM – EMERGENT	SS – SCRUB-SHRUB	FO – FORESTED
1 Submergent Algal 2 Submergent Vascular 3 Unknown Submergent 4 Unknown Surface	2 Mollusc 3 Worm	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 8 Vegetated Pioneer 9 Vegetated Non pioneer	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Boulder 8 Vegetated Non pioneer	1 Cobble-Gravel 2 Sand	1 Persistent 2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent 5 Narrow leaved Persistent 6 Broad leaved Persistent	1 Broad leaved Deciduous 2 Broad leaved Evergreen 3 Needle leaved Deciduous 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad leaved Deciduous 2 Broad leaved Evergreen 3 Needle leaved Deciduous 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen

R – RIVERINE

ECOLOGICAL SYSTEM — Ecological Subsystem — CLASS — Subclass

1 – Tidal

EM – EMERGENT(1)	RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	FL – FLAT
2 Nonpersistent 4 Broad leaved Nonpersistent	1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating-leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 8 Vegetated Pioneer 9 Vegetated Non pioneer

2 – Lower Perennial

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	FL – FLAT	SB – STREAMBED	RS – ROCKY SHORE	BB – BEACH/BAR	OW – OPEN WATER
1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating-leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 8 Vegetated Pioneer 9 Vegetated Non pioneer	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand	Unknown Bottom

3 – Upper Perennial

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	FL – FLAT	SB – STREAMBED	RS – ROCKY SHORE	BB – BEACH/BAR	OW – OPEN WATER
1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating-leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 8 Vegetated Pioneer 9 Vegetated Non pioneer	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand	Unknown Bottom

4 – Intermittent

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	FL – FLAT	SB – STREAMBED	RS – ROCKY SHORE	BB – BEACH/BAR	OW – OPEN WATER
1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating-leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 8 Vegetated Pioneer 9 Vegetated Non pioneer	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand	Unknown Bottom

5 – Unknown Perennial

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	FL – FLAT	SB – STREAMBED	RS – ROCKY SHORE	BB – BEACH/BAR	OW – OPEN WATER
1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating-leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 8 Vegetated Pioneer 9 Vegetated Non pioneer	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand	Unknown Bottom

(1) EM – EMERGENTS are only found in the Riverine Tidal and Riverine Lower Perennial Ecological Subsystem. All other classes are found in all Riverine Ecological Subsystems.

L – LACUSTRINE

ECOLOGICAL SYSTEM — Ecological Subsystem — CLASS — Subclass

1 – Limnetic

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	OW – OPEN WATER
1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating-leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	Unknown Bottom

2 – Litoral

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	FL – FLAT	RS – ROCKY SHORE	BB – BEACH/BAR	EM – EMERGENT	OW – OPEN WATER	CLASS
1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating-leaved 5 Floating 6 Unknown Submergent 7 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 8 Vegetated Pioneer 9 Vegetated Non pioneer	1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand	1 Nonpersistent 2 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent	Unknown Bottom	Subclass

P – PALUSTRINE

ECOLOGICAL SYSTEM — No Subsystem — CLASS — Subclass

RB – ROCK BOTTOM	UB – UNCONSOLIDATED BOTTOM	AB – AQUATIC BED	FL – FLAT	MS – MOSS LICHEN	EM – EMERGENT	SS – SCRUB-SHRUB	FO – FORESTED	OW – OPEN WATER
1 Bedrock 2 Boulder	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Submergent Algal 2 Submergent Vascular 3 Submergent Moss 4 Floating-leaved 5 Floating 6 Emergent Submergent 7 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 8 Vegetated Pioneer 9 Vegetated Non pioneer	1 Moss 2 Lichen	1 Persistent 2 Nonpersistent 3 Narrow leaved Nonpersistent 4 Broad leaved Nonpersistent 5 Narrow leaved Persistent 6 Broad leaved Persistent	1 Broad leaved Deciduous 2 Broad leaved Evergreen 3 Needle leaved Deciduous 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad leaved Deciduous 2 Broad leaved Evergreen 3 Needle leaved Deciduous 4 Needle leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	Unknown Bottom

MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system level.

WATER REGIME(1)

Non-Tidal		Tidal	
A Temporary	H Permanent	K Artificial	R Seasonal Tidal
B Saturated	J Permanently Flooded	L Subtidal	S Temporary Tidal
C Seasonal Well-drained	F Artificial	M Irregularly Exposed	T Semipermanent Tidal
D Seasonal Saturated	G Intermittent, Exposed/Permanent	N Regular	V Permanent Tidal
E Semipermanent	Intermittent, Flooded/Temporary	P Irregular	U Unknown
Q Intermittently Exposed	Saturated/Semipermanent/Seasonal		
	Z Unknown		

WATER CHEMISTRY

Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water
1 Hypersaline	1 Hypersaline	a Acid
2 Eusaline	2 Eusaline	c Circumneutral
3 Mixosaline (Brackish)	3 Mixosaline	b Alkaline
4 Polysaline	0 Fresh	
5 Mesosaline		
6 Oligosaline		
0 Fresh		

SOIL

0	Organic
1	Mineral

SPECIAL MODIFIERS

b	Beaver	h	Diked/Impounded
d	Partially Drained/Ditched	f	Artificial
f	Farmed	s	Spoil
		x	Excavated

(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source.

SPECIAL NOTE

This document was prepared primarily by stereoscopic analysis of high altitude aerial photographs. Wetlands were identified on the photographs based on vegetation, visible hydrology, and geography in accordance with Classification of Wetlands and Deep-Water Habitats of the United States (An Operational Draft), Cowardin, et al, 1977. The aerial photographs typically reflect conditions during the specific year and season when they were taken. In addition, there is a margin of error inherent in the use of the aerial photographs. Thus, a detailed on the ground and historical analysis of a single site may result in a revision of the wetland boundaries established through photographic interpretation. In addition, some small wetlands and those obscured by dense forest cover may not be included on this document.

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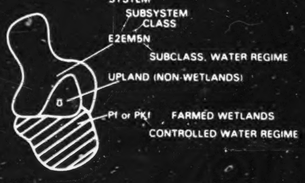
SYMBOLOGY EXAMPLE



NOTES TO THE USER

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AF 14064C-D

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

PAT 6

PORTLAND 5S
KITTERY

SCALE 1:24000

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 0 1 METER

70°37'30"

43°00'

12

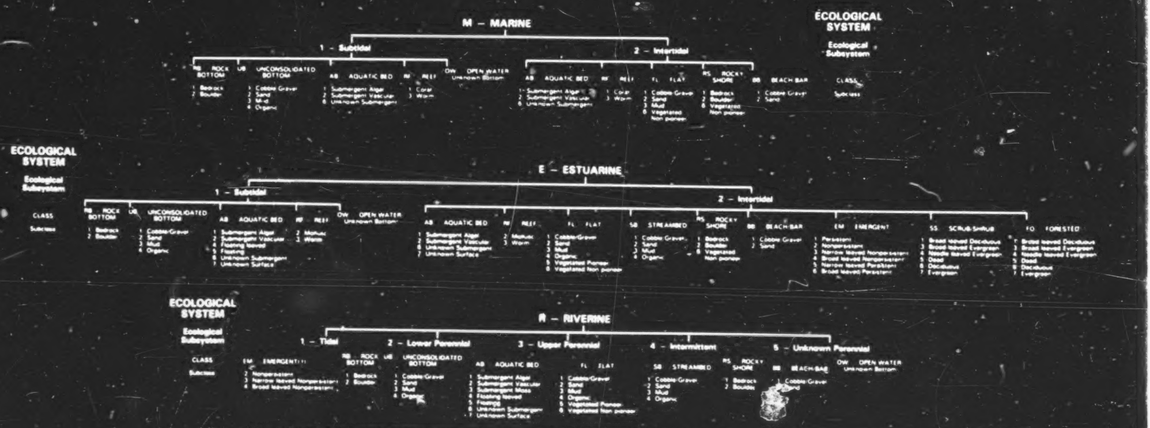
4/77

KITTERY, ME. – N. H.

HALF SHOT
TAP →

WETLAND LEGEND

U – Primarily represents upland areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions.



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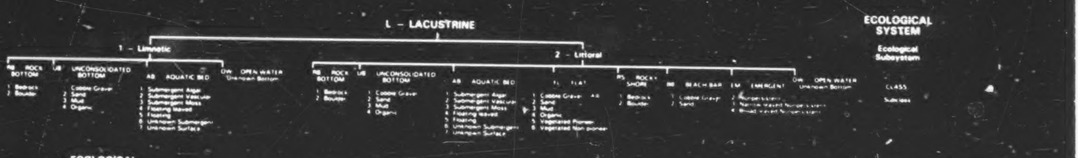

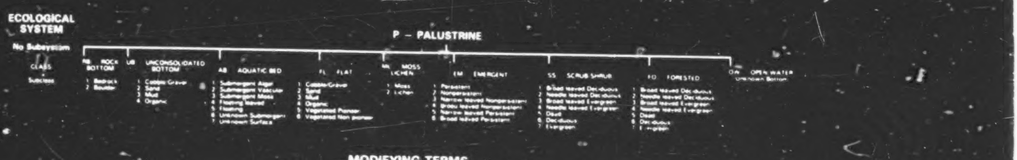

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Non-Tidal	Tidal	Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water	
A Temporary B Saturated C Seasonal D Seasonal Well-drained E Seasonal Saturated F Semipermanent G Intermittently Exposed	H Permanent J Intermittently Flooded K Artificial L Intermittently Exposed-Permanent M Intermittently Flooded-Temporary N Tidal-Semipermanent-Seasonals U Unknown	1 Hyperhaline 2 Euhaline 3 Mixohaline (Brackish) 4 Mixohaline 5 Mixohaline 6 Polyhaline 0 Fresh	9 Hyperhaline 8 Eusaline 7 Mixosaline 0 Fresh	1 Acid 2 Circumneutral 3 Alkaline	0 Beaver 1 Partially Drained/Ditched 2 Farmed 3 Diked/Impounded 4 Artificial 5 Spoil 6 Excavated

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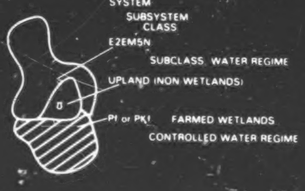

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MICROFICHE INDEX
PORTLAND (ME)
KITTERY